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Mr. Keith Krawczyk
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ENVIRONMENT

Subject:

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
King Highway Landfill Operable Unit
Landfill Gas Monitoring and Inspection Program – Quarterly Report (2014 Quarter 2)

Date:

April 16, 2014

Dear Mr. Krawczyk:

Contact:

Patrick McGuire

On behalf of Georgia-Pacific LLC (Georgia-Pacific), this letter presents results from the 2014 second quarter post-closure landfill gas monitoring and landfill inspection event conducted on April 3, 2014 at the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site King Highway Landfill Operable Unit 3 (KHL OU) located in Kalamazoo, Michigan. The April 2014 monitoring event reflects continued quarterly (gas monitoring) and semi-annual (landfill inspection) activities performed consistent with the *FINAL Operations and Maintenance Plan* (O&M Plan; ARCADIS 2013), on behalf of Georgia-Pacific. Consistent with previous events, representatives from the Michigan Department of Environmental Quality (MDEQ) were present to observe the monitoring and inspection activities, which were performed by ARCADIS.

Phone:

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Our ref:

B0064583.0005.00907

Gas Monitoring

Gas monitoring results for the April 2014 event and a summary of all monitoring data collect to date are presented in Attachment 1. Water level measurements were collected at the permanent gas probes during this monitoring event, where possible, and consistent with the approach summarized in the O&M Plan.

Monitoring of the 11 permanent landfill gas monitoring probes located within the property boundary (GW-1 through GW-4, GW-11 through GW-14, GW-18, GW-19, and GW-21) resulted in methane detections at concentrations above its Lower Explosive Limit (LEL) in eight of the 11 gas probes (i.e., GW-1 through GW-4, GW-11, GW-13, GW-14 and GW-19). Monitoring of the 11 permanent landfill gas monitoring probes located outside the landfill property boundary (GW-5 through GW-10, GW-15A, GW-15 through GW-17, and GW-20) resulted in methane detection at a concentration above LEL in one of the 11 gas probes (i.e., GW-15A). The storage shed located in the southwest corner of the KHL was monitored, which resulted in no detection of methane.

In accordance with the contingency actions in Section 3.6 of the O&M Plan (ARCADIS 2013), if methane gas is observed at any of the perimeter monitoring locations at concentrations greater than the LEL, then the adjacent property owner will be notified of the elevated methane concentrations detected at the perimeter of the KHL. As such, the Kalamazoo Metal Recyclers, Inc. (KMR) was notified on April 10, 2014 in a letter discussing the recent detections of methane gas at concentrations above the LEL in gas probes GW-4, GW-11, GW-13, GW-14, GW-15A, and GW-19 located along the western property boundary of the KHL (Georgia-Pacific 2014). The letter indicated that, based on previous correspondence, Georgia-Pacific does not believe that the methane detections along the western property boundary of the KHL pose a risk to personnel employed at the KMR facility, based on the presence of the concrete slab covering the ground surface and the absence of any subsurface structures at the facility. It should be noted that while detections of methane gas at concentrations above the LEL in gas probes GW-1, GW-2, and GW-3 were observed, this does not pose a concern since these are located adjacent to the Kalamazoo River and/or a cutoff trench was constructed to mitigate any migration.

Please note that ARCADIS submitted a work plan to address methane exceedances at GW-13 and GW-19 on February 17, 2014 and a revised plan (incorporating MDEQ comments) on March 4, 2014. The work plan provided a description of soil probing and sampling results and a proposed action to address the methane exceedances. Georgia-Pacific will continue to work with MDEQ to determine an effective remedy for the gas migration at the site. Furthermore, Georgia-Pacific will continue quarterly gas monitoring and, if gas probe monitoring indicates off-site migration of gas concentrations about the LEL, will notify KMR.

Landfill Inspection

Landfill Inspection results for the April 2014 event are presented in Attachment 2. The inspection form summarizes conditions at the OU and identifies any questionable items along with proposed actions. As identified in the inspection form, woody vegetation growing near the cover system limits will be cut and herbicide applied to the cut stems and concrete materials identified on the top of the landfill will be removed and the area restored. Both of these actions will be performed within 90 days of this letter.

The next round of data collection (i.e., the 2014 third quarter landfill gas monitoring event) is scheduled to be conducted in July 2014. The next landfill inspection will be performed in the fourth quarter 2014.



Mr. Keith Krawczyk
April 16, 2014

If you have any questions or comments, please do not hesitate to contact me at 315.671.9233.

Sincerely,

ARCADIS

A handwritten signature in black ink, appearing to read "Patrick McGuire".

Patrick McGuire
Principal Environmental Engineer

Copies:

Garry Griffith, P.E., Georgia-Pacific LLC (transmitted via e-mail)
Michael Berkoff, USEPA Region 5
Matt Johnson, Senior Civil Engineer, City of Kalamazoo
Roberta Welke, Southwest Region Engineer, Michigan Department of Transportation

Attachments

Attachment 1 Gas Monitoring Results
Attachment 2 Landfill Inspection Results

References

ARCADIS. 2013. *FINAL Operation and Maintenance Plan*. King Highway Landfill Operable Unit 3. May 6, 2013.

Griffith, G.T. Georgia-Pacific. 2014. Personal Communication to Patrick Farrell, Jr., Kalamazoo Metal Recyclers, Inc. April 10, 2014.

ATTACHMENTS





Attachment 1

Gas Monitoring Results

Georgia-Pacific, LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
King Highway Landfill Operable Unit 3
Landfill Gas Monitoring Program

Table 1 - Summary of April 3, 2014 Post-Closure Landfill Gas Monitoring Results

Sample Location	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)	Top of Casing Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)	Top of Screen Elevation (feet)
GW-1	54.9	44.3	1.2	-0.4	772.69	See Note 9	NA	766.75
GW-2	56.4	17.5	0.3	25.8	768.36	See Note 9	NA	762.26
GW-3	26.5	5.1	0.4	68.0	764.96	See Note 9	NA	759.23
GW-4	58.4	37.3	0.0	4.3	770.21	See Note 9	NA	764.44
GW-5	0.0	9.6	7.0	83.4	766.40	See Note 10	NA	764.20
GW-6	0.0	4.1	14.9	81.0	765.10	See Note 9	NA	762.90
GW-7	0.0	2.5	18.4	79.1	764.90	See Note 10	NA	761.70
GW-8	0.0	5.7	11.6	82.7	764.60	See Note 9	NA	762.40
GW-9	0.0	2.0	19.6	78.4	761.80	See Note 9	NA	759.60
GW-10	0.0	6.9	4.9	88.2	767.30	See Note 9	NA	765.10
GW-11	6.4	4.8	3.9	84.9	765.00	3.25	761.8	762.80
GW-12	0.0	1.3	20.0	78.7	764.50	5.32	759.2	762.30
GW-13	35.1	39.5	0.0	25.4	771.08	Dry	NA	764.67
GW-14	22.8	2.3	4.1	70.8	762.61	5.59	757.0	757.12
GW-15	0.0	6.4	12.4	81.2	766.27	7.30	759.0	759.30
GW-15A	7.8	7.1	1.8	83.3	763.00	11.25	751.8	762.00
GW-16	0.0	3.3	18.5	78.2	764.44	5.63	758.8	757.82
GW-17	0.0	5.9	14.7	79.4	763.84	6.20	757.6	757.30
GW-18	0.0	1.7	11.6	86.7	771.80	9.62	762.2	765.80
GW-19	49.8	35.8	3.4	11.0	772.50	15.39	757.1	766.50
GW-20	0.0	5.6	15.1	79.3	779.00	10.17	768.8	771.00
GW-21	0.0	0.9	19.4	79.7	768.00	5.80	762.2	761.60
Storage Shed	0.1	0.2	20.6	79.1	NM	NM	NA	NM
Manhole #11	0.2	1.2	19.5	79.1	NM	NM	NA	NM
Manhole #14	0.2	1.4	20.4	78.0	NM	NM	NA	NM
Manhole #15	0.1	1.0	20.2	78.7	NM	NM	NA	NM

Notes:

1. Landfill gas monitoring results provided by ARCADIS using a GEM™ 2000 portable gas analyzer.
2. CH₄ = Methane.
3. CO₂ = Carbon Dioxide.
4. O₂ = Oxygen.
5. GW = Permanent gas monitoring probe.
6. NA = Not available due to probe being dry or issues with opening the probe cap.
7. NM = Water depth measurements were not collected from these locations; only landfill gas measurements.
8. -- = Gas probe was not monitored.
9. Depth to water elevation data were not collected at GW-1 to GW-4 and GW-6 to GW-10 since the PVC cap was frozen and could not be removed from the PVC riser.
10. Depth to water elevation data were not collected as the well was dry at the time of measurement
11. Shaded methane results exceed the associated lower explosive limit (5%).

Georgia-Pacific, LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-1	4/28/2003	46.3	42.9	1.9	8.9
GW-2	4/28/2003	47.2	29.5	4	19.3
GW-3	4/28/2003	74.1	19.1	0.6	6.3
GW-4	4/28/2003	47.1	39.9	2.6	10.4
BH-2	4/28/2003	52.3	46.8	0	0.9
BH-4	4/28/2003	17.8	8.8	9.8	63.6
BH-5	4/28/2003	2.8	5.2	15.2	76.8
BH-8	4/28/2003	55.4	43	0	1.6
BH-9	4/28/2003	26.6	33.2	2.2	38
BH-10	4/28/2003	0	0.7	18.6	80.7
BH-11	4/28/2003	0.3	4.3	13.3	82.1
BH-12	4/28/2003	0	0.3	20	79.7
BH-13	4/28/2003	0	1.3	19.3	79.4
BH-14	4/28/2003	0	1.9	17.7	80.4
BH-15	4/28/2003	9	4.3	9.7	77
BH-16	4/28/2003	0	1.4	18.7	79.9
BH-17	4/28/2003	0	0	20.5	79.5
BH-18	4/28/2003	1.3	0.7	19.7	78.3
GW-1	8/14/2003	49.6	43.7	1	5.7
GW-2	8/14/2003	59.2	35.2	0.9	4.7
GW-3	8/14/2003	48.6	30	1.6	19.8
GW-4	8/14/2003	41.4	43	0.2	15.4
BH-105	8/14/2003	46.8	43.6	0.8	8.8
BH-106	8/14/2003	4.1	16	2.1	77.8
BH-107	8/14/2003	29.6	27.9	2.9	39.6
BH-108	8/14/2003	1.8	11	10.6	76.6
BH-109	8/14/2003	3.6	3.2	15.3	77.9
BH-110	8/14/2003	0	1.1	18.9	80
BH-111	8/14/2003	0	9.3	6.6	84.1
BH-112	8/14/2003	27.6	29.6	0.9	41.9
BH-113	8/14/2003	31	26.2	3.7	39.1
BH-114	8/14/2003	0	1.1	18.6	80.3
BH-115	8/15/2003	36.2	25.9	1.9	36
BH-116	8/14/2003	0	5.1	11.4	83.5
BH-117	8/14/2003	0	1.6	17.3	81.1
BH-118	8/14/2003	31.2	34.3	1.5	33
BH-119	8/14/2003	33.5	26.5	4.4	35.6
BH-120	8/14/2003	3.8	7.2	14.4	74.6
BH-121	8/14/2003	0	0.1	19	80.9
BH-122	8/14/2003	0.6	0.8	18.9	79.7
GW-1	11/12/2003	56.9	42.4	0.5	0.2
GW-2	11/12/2003	65.9	33.4	0.5	0.2
GW-3	11/12/2003	68.7	28.1	3.1	0.1
GW-4	11/12/2003	59.2	34	6.7	0.1
V-1	11/12/2003	72.2	27.2	0.5	0.1
V-2	11/12/2003	51.9	28.7	4.5	14.9
V-3	11/12/2003	66.4	32.9	0.6	0.1
BH-202	11/12/2003	57.5	39.7	2.6	0.2
BH-203	11/12/2003	0.2	0.2	20.1	79.5
BH-204	11/12/2003	41.9	13.3	11	33.8
BH-205	11/12/2003	0.1	0	20.7	79.2
BH-206	11/12/2003	1.4	3.3	8.6	86.7
BH-207	11/12/2003	12.2	11.8	8.7	67.3
BH-208	11/12/2003	66	29.2	2.3	2.5
BH-209	11/12/2003	24.4	8.5	1.9	65.2
BH-210	11/12/2003	0.1	3	16.7	80.2
BH-211	11/12/2003	28.8	5.6	13.2	52.4
BH-212	11/12/2003	16.6	9.2	2.2	72
BH-213	11/13/2003	15.5	4.8	15.5	64.2
BH-214	11/12/2003	0.5	1.4	18.1	80
BH-215	11/12/2003	0.1	2.1	17.4	80.4
BH-216	11/12/2003	0	0	20.9	79.1
BH-217	11/12/2003	0	0.8	20.6	78.6
BH-218	11/12/2003	0	1.2	19.8	79
BH-219	11/12/2003	0	0	21.1	78.9
BH-220	11/12/2003	0	0	20.8	79.2
BH-221	11/12/2003	0.1	5.7	8.5	85.7
BH-222	11/12/2003	0	1.5	17.9	80.6

See Notes on Page 22.

Georgia-Pacific, LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
King Highway Landfill Operable Unit 3
Landfill Gas Monitoring Program

Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
BH-223	11/12/2003	0	1.2	19.4	79.4
BH-230	11/12/2003	65.6	23.8	0.7	9.9
BH-231	11/12/2003	0.5	0.9	20.5	78.1
BH-232	11/12/2003	57.7	30.1	3.2	9
BH-233	11/12/2003	0.6	0.1	18.5	80.8
BH-234	11/12/2003	0.1	0.9	19.8	79.2
GW-1	12/8/2003	57.3	42.1	0.4	0.2
GW-2	12/8/2003	65.4	32.0	0.7	1.9
GW-3	12/8/2003	65.9	14.6	0.8	18.7
GW-4	12/8/2003	63.0	36.1	0.8	0.1
BH-301	12/8/2003	55.6	26.3	4.1	14.0
BH-302	12/8/2003	6.4	2.1	16.7	74.8
BH-303	12/8/2003	9.7	6.7	14.5	69.1
BH-304	12/8/2003	4.2	6.9	9.3	79.6
BH-305	12/8/2003	60.3	33.4	1.6	4.7
BH-306	12/9/2003	5.5	2.8	14.7	77.0
BH-307	12/8/2003	2.4	1.6	17.3	78.7
BH-312	12/8/2003	0	0.5	20.3	79.2
BH-313	12/8/2003	31.7	12.6	8.2	47.5
BH-314	12/8/2003	0	1.8	17.7	80.5
BH-315	12/9/2003	2.9	4.4	12.3	80.4
BH-316	12/8/2003	0	0.1	20.4	79.5
BH-317	12/8/2003	0	4.2	15.2	80.6
BH-318	12/8/2003	0	0.3	19.0	80.7
GW-1	2/24/2004	21.3	17.8	10.1	50.8
GW-2	2/24/2004	34.9	24	6.4	34.7
GW-3	2/24/2004	0.1	0	19.5	80.4
GW-3	2/24/2004	0	0	20.1	79.9
GW-4	2/24/2004	8	6.5	16.1	69.4
GW-4	2/24/2004	0	0	19.2	80.8
V-1	2/24/2004	0	0	20.1	79.9
V-2	2/24/2004	13.5	7.3	16	63.2
V-3	2/24/2004	39	20.3	10.1	30.6
BH-10	2/24/2004	19.4	12.1	16.6	51.9
BH-105	2/24/2004	19.1	8.1	9.9	62.9
BH-106	2/24/2004	3.1	1.3	17.8	77.8
BH-107	2/24/2004	15.3	12.4	9.3	63
BH-108	2/24/2004	2.1	1.8	16.4	79.7
BH-110	2/24/2004	15.2	11.7	4.9	68.2
BH-111	2/24/2004	7.6	5	11.1	76.3
BH-112	2/24/2004	0.6	2.2	18.4	78.8
BH-113	2/24/2004	0	2.3	15.9	81.8
BH-114	2/24/2004	0	0.5	18.3	81.2
BH-115	2/24/2004	0	0	19.9	80.1
BH-116	2/24/2004	0	0.7	16.8	82.5
BH-117	2/24/2004	0	0	19.6	80.4
BH-118	2/24/2004	0	0.1	19	80.9
BH-119	2/24/2004	20.6	7.7	10	61.7
BH-120	2/24/2004	2.4	7	13	77.6
BH-126	2/24/2004	33.1	16.5	14.3	36.1
BH-127	2/24/2004	19.5	10.8	13.9	55.8
BH-128	2/24/2004	0	0	19.9	80.1
BH-129	2/24/2004	42.3	26.2	15.7	15.8
BH-130	2/24/2004	1.3	0.6	19.2	78.9
BH-131	2/24/2004	54.9	32.3	12.6	0.2
BH-132	2/24/2004	0.8	0.4	18.3	80.5
BH-133	2/24/2004	0	0.7	19.5	79.8
GW-1	5/20/2004	51.3	32.3	0.1	16.3
GW-2	5/20/2004	62.0	37.3	0.5	0.2
GW-3	5/20/2004	69.2	30.2	0.4	0.2
GW-4	5/20/2004	54.7	45.1	0.1	0.1
V-1	5/20/2004	55.3	22.9	6.2	15.6
V-2	5/20/2004	54.0	30.0	4.3	11.7
V-3	5/20/2004	59.3	40.2	0.3	0.2
BH-208	5/20/2004	0.4	1.6	19.9	78.1
BH-209	5/20/2004	0.2	0.5	19.5	79.8
BH-210	5/20/2004	14.1	12.1	5.2	68.6
BH-211	5/20/2004	0.1	2.8	18.1	79.0

See Notes on Page 22.

Georgia-Pacific, LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
King Highway Landfill Operable Unit 3
Landfill Gas Monitoring Program

Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
BH-212	5/20/2004	28.3	13.5	3.8	54.4
BH-213	5/20/2004	0.2	2.7	16.5	80.6
BH-214	5/20/2004	0.1	1.9	18.5	79.5
BH-215	5/20/2004	67.9	21.9	1.8	8.4
BH-216	5/20/2004	0	1.7	19.0	79.3
BH-217	5/20/2004	0	3.5	15.7	80.8
BH-218	5/20/2004	24.9	23.8	4.6	46.7
BH-219	5/20/2004	8.8	10.2	10.9	70.1
BH-220	5/20/2004	0.2	0.7	20.4	78.7
BH-221	5/20/2004	10.4	7.9	7.3	74.4
BH-222	5/20/2004	17.0	8.9	5.0	69.1
BH-223	5/20/2004	0	0.1	21.1	78.8
BH-224	5/20/2004	0	7.1	9.5	83.4
BH-225	5/20/2004	0	1.9	19.4	78.7
BH-226	5/20/2004	0	2.0	17.1	80.9
BH-227	5/20/2004	0	1.0	20.1	78.9
BH-228	5/20/2004	15.8	11.7	11.7	60.8
BH-229	5/20/2004	7.3	9.4	8.0	75.3
BH-230	5/20/2004	2.0	2.4	16.4	79.3
BH-231	5/20/2004	44.8	40.2	1.9	13.1
BH-232	5/20/2004	1.3	2.1	16.0	80.6
BH-233	5/20/2004	0	0.1	21.2	78.7
BH-234	5/20/2004	45.5	36.8	2.2	15.5
BH-235	5/20/2004	8.8	3.3	17.7	70.2
BH-236	5/20/2004	2.1	1.0	17.6	79.3
BH-237	5/20/2004	0.5	1.5	18.6	79.4
GW-1	9/29/2004	41.9	35.4	4.2	18.5
GW-2	9/29/2004	37.8	24.9	7.7	29.6
GW-3	9/29/2004	36.2	25.7	5.4	32.7
GW-4	9/29/2004	35.7	32.9	5.3	26.1
V-1-1	9/29/2004	27.4	22.2	10.4	40
V-2-1	9/29/2004	44.1	19.4	7.2	29.3
V-2-2	9/29/2004	33.7	20.4	9.7	36.2
V-4-1	9/29/2004	0	0.4	20.6	79
V-4-2	9/29/2004	0	0.3	20.6	79.1
V-4-3	9/29/2004	0	0	20.7	79.3
BH-101	9/29/2004	43.7	39.6	2.5	14.2
BH-102	9/29/2004	34.7	38.3	1.1	25.9
BH-103	9/29/2004	16.9	31.9	0.8	50.4
BH-104	9/29/2004	11.1	26.7	2.9	59.3
BH-105	9/29/2004	11.1	27.3	0.9	60.7
BH-106	9/29/2004	42.1	21.3	8.2	28.4
BH-107	9/29/2004	1.3	1.4	18	79.3
BH-108	9/29/2004	43.4	28.9	1	26.7
BH-109	9/29/2004	26.2	9.4	2.2	62.2
BH-110	9/29/2004	1.5	9.8	7.1	81.6
BH-111	9/29/2004	0	6.8	12.9	80.3
BH-112	9/29/2004	1.4	11.2	3.6	83.8
BH-113	9/29/2004	0.5	2.6	17.1	79.8
BH-114	9/29/2004	25.4	11.2	2.4	61
BH-201	9/29/2004	46.7	13.7	2.8	36.8
BH-202	9/29/2004	42.2	17.7	7.9	32.2
BH-203	9/29/2004	0	1.4	19.4	79.2
GW-1	12/16/2004	56.6	43.4	0	0
GW-2	12/16/2004	55.3	33.9	0	10.8
GW-3	12/16/2004	40.5	14.7	0.3	44.5
GW-4	12/16/2004	59.4	37.0	1.1	2.5
V-1-1	12/16/2004	60.7	38.9	0.4	0
V-2-1	12/16/2004	35.9	16.7	6.3	41.1
V-2-2	12/16/2004	46.8	22.4	6.8	24.0
V-4-1	12/16/2004	3.9	2.2	19.0	74.9
V-4-2	12/16/2004	0	0	20.4	79.6
V-4-3	12/16/2004	0	0	20.4	79.6
BH-101	12/16/2004	1.4	0.9	19.9	77.8
BH-102	12/16/2004	57.6	7.2	1.4	33.8
BH-103	12/16/2004	0	1.9	18.3	79.8
BH-104	12/16/2004	0	1.5	18.0	80.5
BH-105	12/16/2004	0.2	0.5	18.4	80.9

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Georgia-Pacific, LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
King Highway Landfill Operable Unit 3
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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
BH-106	12/16/2004	0	0.7	18.5	80.8
BH-107	12/16/2004	2.5	0.9	17.8	78.8
BH-201	12/16/2004	0	1.7	16.1	82.2
BH-202	12/16/2004	0.1	0.4	19.4	80.1
BH-203	12/16/2004	12.0	4.4	12.6	71.0
BH-204	12/16/2004	56.1	13.5	5.3	25.1
BH-205	12/16/2004	5.6	0.8	15.8	77.8
BH-301	12/16/2004	0	9.7	8.5	81.8
BH-401	12/16/2004	64.7	34.5	0.5	0.3
BH-402	12/16/2004	0.1	0.3	17.8	81.8
GW-1	3/15/2005	52.6	42.2	1.3	3.9
GW-2	3/15/2005	0.2	1.6	18.8	79.4
GW-3	3/15/2005	0	0	20.8	79.2
GW-4	3/15/2005	58.3	38.1	1.5	2.1
V-1-1	3/15/2005	20.4	11.2	15.2	53.2
V-2-1	3/15/2005	0	0	20.8	79.2
V-2-2	3/15/2005	5.3	1.8	19.3	73.6
V-4-1	3/15/2005	0	0.1	19.6	80.3
V-4-2	3/15/2005	2.7	1.6	19.0	76.7
V-4-3	3/15/2005	2.5	2.2	19.1	76.2
BH-101	3/15/2005	1.4	0.4	20.3	77.9
BH-104	3/15/2005	0.6	0.4	20.1	78.9
BH-105	3/15/2005	0	2.3	13.4	84.3
BH-107	3/15/2005	3.4	0.3	19.1	77.2
GW-1	5/26/2005	54.5	44.7	0.6	0.2
GW-2	5/26/2005	58.5	39.5	0.0	2.0
GW-3	5/26/2005	58.7	30.4	0.2	10.7
GW-4	5/26/2005	42.2	38.4	0.4	19.0
GW-5	5/26/2005	0.8	0.4	18.1	80.7
GW-6	5/26/2005	0.7	1.3	19.7	78.3
GW-7	5/26/2005	0.2	1.6	16.9	81.3
GW-8	5/26/2005	0.0	10.7	2.8	86.5
GW-9	5/26/2005	0.2	3.0	16.0	80.8
V-1-1	5/26/2005	12.2	7.9	17.1	62.8
V-2-1	5/26/2005	14.0	5.9	15.9	64.2
V-2-2	5/26/2005	23.3	13.0	12.6	51.1
V-3-1	5/26/2005	5.2	2.0	18.3	74.5
V-4-1	5/26/2005	3.6	4.1	16.0	76.3
V-4-2	5/26/2005	2.3	2.1	19.6	76.0
V-4-3	5/26/2005	1.6	2.4	18.7	77.3
BH-101	5/26/2005	1.2	2.4	18.3	78.1
BH-102	5/26/2005	0.6	1.1	15.4	82.9
BH-103	5/26/2005	0.0	0.9	19.3	79.8
BH-201	5/26/2005	10.9	6.4	15.4	67.3
BH-202	5/26/2005	0.3	1.0	18.8	79.9
BH-203	5/26/2005	0.4	1.2	12.8	85.6
BH-301	5/26/2005	3.0	6.1	12.7	78.2
BH-302	5/26/2005	4.3	11.0	73.9	10.8
BH-303	5/26/2005	3.8	9.4	11.7	75.1
BH-304	5/26/2005	0.0	0.4	20.0	79.6
GW-1	8/18/2005	51.0	44.8	0.3	3.9
GW-2	8/18/2005	53.3	36.9	1.5	8.3
GW-3	8/18/2005	52.6	33.9	0.0	13.5
GW-4	8/18/2005	48.2	45.1	0.0	6.7
GW-5	8/18/2005	40.0	13.8	0.3	45.9
GW-6	8/18/2005	51.9	43.7	0.0	4.4
GW-7	8/18/2005	0.0	3.8	16.5	79.7
GW-8	8/18/2005	5.8	10.1	0.2	83.9
GW-9	8/18/2005	0.0	7.2	12.5	80.3
GW-10	8/18/2005	0.0	12.9	4.8	82.3
GW-11	8/18/2005	0.0	18.9	2.7	78.4
V-1-1	8/18/2005	52.3	47.6	0.0	0.1
V-2-2	8/18/2005	39.5	26.8	6.5	27.2
V-3-1	8/18/2005	14.9	16.4	8.3	60.4
V-4-1	8/18/2005	14.1	18.0	8.1	59.8
V-4-2	8/18/2005	20.6	24.1	6.0	49.3
V-4-3	8/18/2005	17.5	19.9	9.2	53.4
BH-101	8/18/2005	59.9	20.8	0.1	19.2

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
BH-102	8/18/2005	44.4	40.2	0.7	14.7
BH-103	8/18/2005	0.0	3.1	17.9	79.0
BH-104	8/18/2005	12.3	4.0	14.3	69.4
BH-105	8/18/2005	0.0	2.6	18.1	79.3
BH-106	8/18/2005	0.0	1.0	20.6	78.4
BH-201	8/18/2005	22.0	21.8	0.5	55.7
BH-202	8/18/2005	0.0	12.2	9.0	78.8
BH-203	8/18/2005	22.4	9.7	12.9	55.0
BH-204	8/18/2005	26.7	18.9	2.9	51.5
BH-205	8/18/2005	0.8	2.2	0.7	96.3
BH-301	8/18/2005	16.8	23.1	0.7	59.4
BH-302	8/18/2005	0.0	10.9	7.1	82.0
BH-303	8/18/2005	25.3	23.0	0.5	51.2
BH-304	8/18/2005	11.4	15.0	3.1	70.5
BH-305	8/18/2005	0.1	11.3	9.4	79.2
BH-306	8/18/2005	0.0	6.4	16.1	77.5
BH-307	8/18/2005	0.0	5.5	17.5	77.0
BH-701	8/18/2005	0.0	3.1	18.3	78.6
BH-801	8/18/2005	0.0	1.2	20.4	78.4
BH-802	8/18/2005	0.0	1.9	19.8	78.3
BH-100	8/18/2005	0.0	7.4	12.1	80.5
BH-100	8/18/2005	0.0	0.5	20.5	79.0
BH-110	8/18/2005	0.0	3.6	18.2	78.2
BH-110	8/18/2005	0.0	10.2	11.6	78.2
GW-1	11/8/2005	53.2	45.3	0.2	1.3
GW-2	11/8/2005	41.8	30.6	3.2	24.4
GW-3	11/8/2005	6.2	8.0	14.5	71.3
GW-4	11/8/2005	48.8	39.0	0.4	11.8
GW-5	11/8/2005	24.5	12.6	0.2	62.7
GW-6	11/8/2005	53.6	39.4	0.4	6.6
GW-7	11/8/2005	0.0	3.2	16.8	80.0
GW-8	11/8/2005	0.0	13.4	0.6	86.0
GW-9	11/8/2005	0.0	3.8	15.4	80.8
GW-10	11/8/2005	0.0	9.5	7.0	83.5
GW-11	11/8/2005	0.0	12.1	6.0	81.9
BH-101	11/8/2005	27.0	13.8	5.3	53.9
BH-102	11/8/2005	26.0	32.5	0.3	41.2
BH-103	11/8/2005	0.0	2.1	17.4	80.5
BH-104	11/8/2005	0.0	8.1	7.6	84.3
BH-201	11/8/2005	22.5	23.5	0.4	53.6
BH-202	11/8/2005	0.0	6.2	13.8	80.0
BH-301	11/8/2005	0.0	18.4	1.7	79.9
BH-601	11/8/2005	5.4	12.2	0.4	82.0
BH-602	11/8/2005	0.0	3.5	15.8	80.7
V-1-1	11/8/2005	54.2	45.2	0.6	0.0
V-2-1	11/8/2005	10.0	6.9	14.5	68.6
V-2-2	11/8/2005	47.4	28.1	5.8	18.7
V-3-1	11/8/2005	5.6	2.0	18.9	73.5
V-4-1	11/8/2005	1.0	2.9	17.7	78.4
V-4-2	11/8/2005	0.0	0.0	20.5	79.5
V-4-3	11/8/2005	3.3	7.0	13.8	75.9
GW-1	2/8/2006	56.0	43.7	0.3	0.0
GW-2	2/8/2006	41.0	24.9	2.5	31.6
GW-3	2/8/2006	0.8	4.8	10.3	84.1
GW-4	2/8/2006	63.1	36.2	0.7	0.0
GW-5	2/8/2006	36.7	4.0	1.0	58.3
GW-6	2/8/2006	83.7	14.3	0.0	2.0
GW-7	2/8/2006	0.0	1.5	17.7	80.8
GW-8	2/8/2006	20.0	5.5	1.9	72.6
GW-9	2/8/2006	0.0	4.3	15.1	80.6
GW-10	2/8/2006	0.0	7.4	1.4	91.2
GW-11	2/8/2006	0.0	1.2	19.0	79.8
BH-201 ⁶	2/8/2006	6.1	4.2	13.3	76.4
BH-501	2/8/2006	0.1	1.0	16.1	82.8
BH-502	2/8/2006	0.0	0.2	17.9	81.9
BH-801	2/8/2006	0.0	4.4	15.5	80.1
BH-430	2/8/2006	32.9	18.1	3.5	45.5
BH-430	2/8/2006	34.2	22.9	0.0	42.9

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
BH-430	2/8/2006	7.6	7.9	11.9	72.6
BH-430	2/8/2006	0.7	0.4	17.3	81.6
V-1-1	2/8/2006	56.8	39.6	3.6	0.0
V-2-1	2/8/2006	16.2	6.5	15.8	61.5
V-2-2	2/8/2006	29.6	10.5	13.5	46.4
V-3-1	2/8/2006	2.8	0.7	20.5	76.0
V-4-1	2/8/2006	0.5	0.5	19.0	80.0
V-4-2	2/8/2006	0.0	0.1	19.0	80.9
V-4-3	2/8/2006	22.1	11.5	11.1	55.3
GW-1	5/8/2006	52.8	47.2	0.0	0.0
GW-2	5/8/2006	58.2	40.4	0.0	1.4
GW-3	5/8/2006	66.2	28.0	0.0	5.8
GW-4	5/8/2006	0.0	46.3	0.0	53.7
GW-5	5/8/2006	31.6	4.5	0.0	63.9
GW-6	5/8/2006	61.8	29.4	0.0	8.8
GW-7	5/8/2006	0.0	1.5	16.1	82.4
GW-8	5/8/2006	15.8	6.3	0.0	77.9
GW-9	5/8/2006	0.0	7.4	6.6	86.0
GW-10	5/8/2006	0.0	0.3	18.3	81.4
GW-11	5/8/2006	0.0	10.1	3.8	86.1
GW-12	5/8/2006	0.0	10.4	6.1	83.5
BH-201	5/8/2006	49.5	21.2	0.0	29.3
BH-202	5/8/2006	0.1	4.2	12.1	83.6
BH-301	5/8/2006	15.5	12.0	6.5	66.0
BH-302	5/8/2006	25.4	18.8	0.0	55.8
BH-303	5/8/2006	0.0	0.4	18.3	81.3
BH-304	5/8/2006	13.7	7.9	5.9	72.5
BH-305	5/8/2006	4.7	3.8	9.9	81.6
BH-306 ⁷	5/8/2006	--	--	--	--
BH-307	5/8/2006	9.0	11.1	0.0	79.9
BH-308 ⁷	5/8/2006	--	--	--	--
BH-309	5/8/2006	0.0	0.4	18.2	81.4
BH-310	5/8/2006	38.1	7.5	0.0	54.4
BH-311	5/8/2006	0.0	0.4	18.3	81.3
BH-312	5/8/2006	0.8	6.8	6.2	86.2
BH-501	5/8/2006	0.0	0.9	17.2	81.9
BH-502	5/8/2006	0.0	4.1	7.4	88.5
BH-601	5/8/2006	51.1	8.6	0.0	40.3
BH-801	5/8/2006	3.4	12.8	0.0	83.8
BH-802	5/8/2006	0.0	0.8	16.7	82.5
V-1-1	5/8/2006	52.3	46.7	0.0	1.0
V-2-1	5/8/2006	44.0	29.7	0.0	26.3
V-2-2	5/8/2006	53.5	23.9	5.5	17.1
V-3-1	5/8/2006	26.4	9.4	12.2	52.0
V-4-1	5/8/2006	0.0	0.0	20.3	79.7
V-4-2	5/8/2006	0.0	0.0	20.5	79.5
V-4-3	5/8/2006	0.0	0.1	20.1	79.8
V-4-4	5/8/2006	0.0	0.0	20.2	79.8
V-4-5	5/8/2006	0.0	0.8	19.0	80.2
V-4-6	5/8/2006	0.0	0.0	20.0	80.0
GW-1	9/7/2006	53.6	46.4	0.0	0.0
GW-2	9/7/2006	42.0	30.2	5.7	22.1
GW-3	9/7/2006	49.9	26.5	3.2	20.4
GW-4	9/7/2006	50.4	44.9	0.9	3.8
GW-5	9/7/2006	46.1	8.7	0.0	45.2
GW-6	9/7/2006	60.7	38.2	0.0	1.1
GW-7	9/7/2006	0.0	5.0	14.8	80.2
GW-8	9/7/2006	34.6	5.8	0.0	59.6
GW-9	9/7/2006	1.4	13.5	0.1	85.0
GW-10	9/7/2006	0.0	0.6	20.2	79.2
GW-11	9/7/2006	0.3	8.0	7.1	84.6
GW-12	9/7/2006	0.0	0.1	20.8	79.1
BH-201	9/7/2006	29.7	14.1	9.5	46.7
BH-202	9/7/2006	0.0	1.3	19.8	78.9
BH-301	9/7/2006	0.8	2.7	18.1	78.4
BH-302	9/7/2006	3.8	3.7	17.3	75.2
BH-303	9/7/2006	12.3	16.1	3.7	67.9

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
BH-304	9/7/2006	4.0	1.5	19.0	75.5
BH-305	9/7/2006	0.0	2.4	19.1	78.5
BH-501	9/7/2006	0.0	2.3	18.2	79.5
BH-502	9/7/2006	1.0	2.8	16.0	80.2
BH-601	9/7/2006	0.0	0.2	20.9	78.9
BH-801	9/7/2006	0.0	3.0	17.8	79.2
BH-802	9/7/2006	4.4	3.1	13.7	78.8
V-1-1	9/7/2006	30.7	28.6	8.7	32.0
V-2-1	9/7/2006	25.5	12.6	12.6	49.3
V-2-2	9/7/2006	18.6	11.3	14.1	56.0
V-3-1	9/7/2006	2.6	1.5	20.1	75.8
V-4-1	9/7/2006	0.0	0.1	20.8	79.1
V-4-2	9/7/2006	0.0	0.2	2.9	96.9
V-4-3	9/7/2006	0.0	0.0	20.8	79.2
V-4-4	9/7/2006	0.0	0.0	20.9	79.1
V-4-5	9/7/2006	0.0	0.1	20.8	79.1
V-4-6	9/7/2006	0.0	0.1	20.9	79.0
GW-1	11/8/2006	54.9	45.1	0.0	0.0
GW-2	11/8/2006	54.2	35.8	0.0	10.0
GW-3	11/8/2006	63.1	25.5	0.0	11.4
GW-4	11/8/2006	57.4	41.6	0.0	1.0
GW-5	11/8/2006	56.6	4.2	0.0	39.2
GW-6	11/8/2006	72.6	23.5	0.0	3.9
GW-7	11/8/2006	0.0	0.2	20.4	79.4
GW-8	11/8/2006	46.0	5.3	0.0	48.7
GW-9	11/8/2006	25.4	8.9	0.0	65.7
GW-10	11/8/2006	0.4	9.3	0.0	90.3
GW-11	11/8/2006	0.0	8.4	5.2	86.4
GW-12	11/8/2006	0.0	4.4	15.2	80.4
BH-201	11/8/2006	0.2	2.4	15.5	81.9
BH-301	11/8/2006	0.0	0.0	19.8	80.2
BH-501	11/8/2006	3.5	1.7	11.3	83.5
BH-502	11/8/2006	0.0	2.2	16.8	81.0
BH-801	11/8/2006	17.4	3.5	6.9	72.2
BH-802	11/8/2006	0.0	0.8	20.1	79.1
BH-901	11/8/2006	0.0	1.3	19.5	79.2
V-1-1	11/8/2006	54.9	43.8	0.0	1.3
V-2-1	11/8/2006	53.1	22.1	2.3	22.5
V-2-2	11/8/2006	51.4	27.2	0.0	21.4
V-3-1	11/8/2006	14.4	6.1	15.2	64.3
V-4-1	11/8/2006	17.4	15.2	9.9	57.5
V-4-2	11/8/2006	0.0	0.0	22.1	77.9
V-4-3	11/8/2006	5.8	8.3	13.1	72.8
V-4-4	11/8/2006	0.0	0.0	21.7	78.3
V-4-5	11/8/2006	0.0	0.1	21.7	78.2
V-4-6	11/8/2006	0.0	0.0	21.8	78.2
GW-1	2/8/2007	54.9	44.5	0.0	0.6
GW-2	2/8/2007	40.5	27.9	0.8	30.8
GW-3 ^B	2/8/2007	34.8	9.6	2.8	52.8
GW-4	2/8/2007	60.5	39.5	0.0	0.0
GW-5	2/8/2007	49.9	3.3	0.0	46.8
GW-6 ⁹	2/8/2007	17.6	2.8	16.2	63.4
GW-7	2/8/2007	0.0	0.1	20.8	79.1
GW-8	2/8/2007	0.9	2.5	14.0	82.6
GW-9	2/8/2007	0.0	0.7	19.9	79.4
GW-10	2/8/2007	0.0	7.3	1.4	91.3
GW-11	2/8/2007	0.0	0.2	20.7	79.1
GW-12	2/8/2007	0.0	0.8	19.6	79.6
BH-201	2/8/2007	0.0	0.1	21.1	78.8
BH-501	2/8/2007	0.0	0.1	20.6	79.3
BH-502	2/8/2007	0.0	0.1	20.6	79.3
V-1-1	2/8/2007	23.5	17.7	11.8	47.0
V-2-1	2/8/2007	6.4	3.3	18.5	71.8
V-2-2	2/8/2007	18.6	8.5	15.1	57.8
V-3-1	2/8/2007	5.9	1.7	19.4	73.0
V-4-1	2/8/2007	0.0	0.0	20.8	79.2
V-4-2	2/8/2007	0.0	0.0	20.8	79.2

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
V-4-3	2/8/2007	0.1	0.2	20.0	79.7
V-4-4	2/8/2007	0.0	0.1	20.8	79.1
V-4-5	2/8/2007	0.0	0.0	20.8	79.2
V-4-6	2/8/2007	0.0	0.0	20.8	79.2
GW-1	5/10/2007	52.8	46.8	0.2	0.2
GW-2	5/10/2007	61.5	38.0	0.2	0.3
GW-3	5/10/2007	46.8	20.0	20.1	13.1
GW-4	5/10/2007	50.2	44.6	0.4	4.8
GW-5	5/10/2007	26.2	6.4	1.6	65.8
GW-6	5/10/2007	64.5	24.9	0.4	10.2
GW-7	5/10/2007	0.0	1.6	18.6	79.8
GW-8	5/10/2007	17.0	7.8	0.4	74.8
GW-9	5/10/2007	0.0	14.4	0.9	84.7
GW-10	5/10/2007	0.0	1.1	18.9	80.0
GW-11	5/10/2007	0.0	4.1	13.3	82.6
GW-12	5/10/2007	0.0	3.0	15.0	82.0
BH-201	5/10/2007	0.0	0.7	20.0	79.3
BH-301	5/10/2007	0.0	0.5	20.4	79.1
BH-501	5/10/2007	0.0	0.8	20.2	79.0
BH-502	5/10/2007	0.0	2.4	17.1	80.5
BH-801	5/10/2007	0.0	1.8	19.0	79.2
BH-802	5/10/2007	0.0	0.4	20.6	79.0
V-1-1	5/10/2007	57.0	42.4	0.1	0.5
V-2-1	5/10/2007	35.0	15.0	9.6	40.4
V-2-2	5/10/2007	33.7	18.4	8.2	39.7
V-3-1	5/10/2007	4.0	1.8	19.2	75.0
V-4-1	5/10/2007	14.6	19.7	6.4	59.3
V-4-2	5/10/2007	7.0	4.1	18.2	70.7
V-4-3	5/10/2007	0.3	2.0	16.0	81.7
V-4-4	5/10/2007	0.0	0.4	20.7	78.9
V-4-5	5/10/2007	0.0	2.8	17.2	80.0
V-4-6	5/10/2007	0.0	5.2	16.1	78.7
GW-1	8/8/2007	50.5	45.0	0.0	4.5
GW-2	8/8/2007	41.5	36.6	0.0	21.9
GW-3	8/8/2007	33.0	24.9	5.5	36.6
GW-4	8/8/2007	40.7	41.5	0.0	17.8
GW-5	8/8/2007	8.6	11.2	0.6	79.6
GW-6	8/8/2007	4.6	6.0	14.0	75.4
GW-7	8/8/2007	0.0	2.2	15.7	82.1
GW-8	8/8/2007	0.0	7.2	11.1	81.7
GW-9	8/8/2007	0.0	5.4	12.4	82.2
GW-10	8/8/2007	0.0	3.4	13.6	83.0
GW-11	8/8/2007	0.0	12.0	6.7	81.3
GW-12	8/8/2007	0.0	2.9	14.3	82.8
BH-201	8/8/2007	0.0	4.0	14.5	81.5
BH-301	8/8/2007	4.3	11.1	9.0	75.6
BH-501	8/8/2007	0.0	5.0	11.9	83.1
BH-502	8/8/2007	0.0	1.4	16.8	81.8
V-1-1	8/8/2007	51.8	47.2	0.0	1.0
V-2-1	8/8/2007	1.5	0.7	17.4	80.4
V-2-2	8/8/2007	41.4	28.0	5.5	25.1
V-3-1	8/8/2007	0.7	0.3	18.0	81.0
V-4-1	8/8/2007	0.0	0.0	18.3	81.7
V-4-2	8/8/2007	0.0	0.3	18.0	81.7
V-4-3	8/8/2007	0.0	0.2	18.0	81.8
V-4-4	8/8/2007	0.0	0.3	18.0	81.7
V-4-5	8/8/2007	0.0	13.4	6.4	80.2
V-4-6	8/8/2007	0.0	15.1	4.9	80.0
GW-1	10/31/2007	54.1	45.7	0.1	0.1
GW-2	10/31/2007	58.9	40.9	0.1	0.1
GW-3	10/31/2007	41.6	18.8	2.5	37.1
GW-4	10/31/2007	23.3	18.9	11.3	46.5
GW-5	10/31/2007	23.6	6.1	0.2	70.1
GW-6	10/31/2007	70.6	29.1	0.1	0.2
GW-7	10/31/2007	0.0	3.3	16.1	80.6
GW-8	10/31/2007	9.4	8.9	0.2	81.5
GW-9	10/31/2007	11.5	11.6	0.1	76.8
GW-10	10/31/2007	0.0	1.3	17.9	80.8

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Georgia-Pacific, LLC
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King Highway Landfill Operable Unit 3
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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-11	10/31/2007	0.0	1.4	18.1	80.5
GW-12	10/31/2007	0.0	4.5	15.5	80.0
BH-201	10/31/2007	0.0	0.9	19.1	80.0
BH-301	10/31/2007	42.7	20.2	3.1	34.0
BH-302	10/31/2007	0.0	0.1	20.4	79.5
BH-501	10/31/2007	0.0	1.9	17.1	81.0
BH-502	10/31/2007	0.0	0.5	19.4	80.1
BH-701	10/31/2007	0.0	3.5	16.0	80.5
BH-801	10/31/2007	0.0	2.6	14.1	83.3
BH-802	10/31/2007	0.0	1.0	19.3	79.7
BH-901	10/31/2007	0.0	0.8	18.8	80.4
V-1-1	10/31/2007	54.9	45.0	0.1	0.0
V-2-1	10/31/2007	67.8	30.2	0.6	1.4
V-2-2	10/31/2007	59.3	31.5	1.8	7.4
V-3-1	10/31/2007	19.2	8.5	13.7	58.6
V-4-1	10/31/2007	0.0	0.0	20.4	79.6
V-4-2	10/31/2007	0.0	0.0	20.3	79.7
V-4-3	10/31/2007	0.0	0.0	20.4	79.6
V-4-4	10/31/2007	0.0	0.0	20.3	79.7
V-4-5	10/31/2007	0.0	0.0	20.4	79.6
V-4-6	10/31/2007	0.0	0.0	20.4	79.6
GW-1	2/14/2008	55.6	44.2	0.2	0.0
GW-2	2/14/2008	46.9	31.7	3.1	18.3
GW-3	2/14/2008	0.2	0.4	21.6	77.8
GW-4	2/14/2008	58.3	40.6	1.1	0.0
GW-5	2/14/2008	11.5	5.8	1.8	80.9
GW-6	2/14/2008	10.2	4.1	14.1	71.6
GW-7	2/14/2008	0.0	0.4	20.7	78.9
GW-8	2/14/2008	0.0	1.0	20.2	78.8
GW-9	2/14/2008	0.0	1.0	19.4	79.6
GW-10	2/14/2008	NA	NA	NA	NA
GW-11	2/14/2008	0.0	0.8	20.4	78.8
GW-12	2/14/2008	0.2	0.6	17.7	81.5
V-1-1	2/14/2008	20.4	18.7	12.9	48.0
V-2-1	2/14/2008	18.9	10.7	12.5	57.9
V-2-2	2/14/2008	24.8	12.8	14.7	47.7
V-3-1	2/14/2008	0.5	0.5	21.6	77.4
V-4-1	2/14/2008	0.0	0.1	21.4	78.5
V-4-2	2/14/2008	0.2	0.5	20.6	78.7
V-4-3	2/14/2008	0.9	1.5	19.9	77.7
V-4-4	2/14/2008	0.0	0.1	20.3	79.6
V-4-5	2/14/2008	0.0	0.4	20.1	79.5
V-4-6	2/14/2008	0.0	0.1	20.2	79.7
GW-1	5/15/2008	50.1	42.5	0.0	7.4
GW-2	5/15/2008	0.3	0.6	19.3	79.8
GW-3	5/15/2008	5.2	5.6	13.6	75.6
GW-4	5/15/2008	47.8	37.2	0.0	15.0
GW-5	5/15/2008	8.3	4.7	6.1	80.9
GW-6	5/15/2008	0.1	20.0	1.3	78.6
GW-7	5/15/2008	0.1	1.9	17.5	80.5
GW-8	5/15/2008	0.1	2.6	15.2	82.1
GW-9	5/15/2008	0.0	6.1	12.4	81.5
GW-10	5/15/2008	0.0	7.8	7.3	84.9
GW-11	5/15/2008	0.0	8.7	10.1	81.2
GW-12	5/15/2008	0.0	6.3	19.3	74.4
V-1-1	5/15/2008	54.4	43.8	0.0	1.8
V-1-2	5/15/2008	1.1	2.0	18.8	78.1
V-1-3	5/15/2008	0.0	0.0	20.1	79.9
V-1-4	5/15/2008	0.0	0.2	19.9	79.9
V-1-5	5/15/2008	0.1	0.0	20.1	79.8
V-1-6	5/15/2008	0.1	0.0	20.2	79.7
V-2-1	5/15/2008	1.9	3.6	15.9	78.6
V-2-2	5/15/2008	18.1	9.5	13.1	59.3
V-2-10	5/15/2008	0.1	0.0	19.8	80.1
V-3-1	5/15/2008	3.2	1.2	18.8	76.8
V-4-1	5/15/2008	0.0	0.0	20.1	79.9
V-4-2	5/15/2008	0.4	1.3	18.9	79.4
V-4-3	5/15/2008	0.1	0.8	19.3	79.8

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
V-4-4	5/15/2008	0.0	0.0	20.1	79.9
V-4-5	5/15/2008	0.0	0.0	20.1	79.9
V-4-6	5/15/2008	0.0	0.0	20.0	80.0
BH-201	8/6/2008	0.0	3.4	15.9	80.7
GW-1	8/6/2008	45.5	45.9	0.0	8.6
GW-2	8/6/2008	34.1	35.2	0.0	30.7
GW-3	8/6/2008	0.6	3.5	14.9	81.0
GW-4	8/6/2008	39.0	43.6	0.0	17.4
GW-5	8/6/2008	0.1	4.7	10.9	84.3
GW-6	8/6/2008	0.0	2.2	16.9	80.9
GW-7	8/6/2008	0.1	0.4	18.9	80.6
GW-8	8/6/2008	0.0	8.4	11.7	79.9
GW-9	8/6/2008	0.1	2.8	16.7	80.4
GW-10	8/6/2008	0.0	11.6	5.8	82.6
GW-11	8/6/2008	0.0	12.0	9.5	78.5
GW-12	8/6/2008	0.3	9.2	10.0	80.5
V-1-1	8/6/2008	51.4	47.7	0.0	0.9
V-1-2	8/6/2008	2.6	13.2	9.1	75.1
V-1-3	8/6/2008	0.2	0.3	19.7	79.8
V-1-4	8/6/2008	0.4	0.7	19.6	79.3
V-1-5	8/6/2008	0.3	0.9	19.3	79.5
V-1-6	8/6/2008	2.5	16.3	2.9	78.3
V-2-1	8/6/2008	29.7	16.7	8.6	45.0
V-2-2	8/6/2008	37.4	22.7	8.5	31.4
V-2-3	8/6/2008	0.2	0.1	19.6	80.1
V-2-10	8/6/2008	0.6	4.3	15.1	80.0
V-2-18	8/6/2008	0.1	0.4	19.6	79.9
V-3-1	8/6/2008	3.0	1.2	19.0	76.8
V-4-1	8/6/2008	0.0	0.3	19.7	80.0
V-4-2	8/6/2008	0.0	0.7	19.3	80.0
V-4-3	8/6/2008	0.0	0.2	19.7	80.1
V-4-4	8/6/2008	0.3	0.6	16.8	82.3
V-4-5	8/6/2008	0.3	0.4	19.7	79.6
V-4-6	8/6/2008	0.3	3.7	16.3	79.7
GW-1	11/5/2008	55.9	44.1	0.0	0.0
GW-2	11/5/2008	60.5	35.1	0.1	4.3
GW-3	11/5/2008	49.7	20.5	2.4	27.4
GW-4	11/5/2008	56.7	41.1	0.2	2.0
GW-5	11/5/2008	0.0	8.0	4.3	87.7
GW-6	11/5/2008	0.0	4.5	12.9	82.6
GW-7	11/5/2008	0.0	2.6	15.3	82.1
GW-8	11/5/2008	0.0	9.2	6.5	84.3
GW-9	11/5/2008	0.0	0.5	20.5	79.0
GW-10	11/5/2008	0.0	0.4	20.4	79.2
GW-11	11/5/2008	0.0	10.5	6.9	82.6
GW-12	11/5/2008	0.0	6.1	14.4	79.5
BH-201	11/5/2008	0.0	0.7	20.1	79.2
BH-301	11/5/2008	0.0	0.6	20.3	79.1
V-1-1	11/5/2008	55.8	44.2	0.0	0.0
V-1-2	11/5/2008	1.6	4.8	16.1	77.5
V-1-3	11/5/2008	0.0	0.1	20.5	79.4
V-1-4	11/5/2008	0.0	0.0	20.6	79.4
V-1-5	11/5/2008	0.0	0.3	20.3	79.4
V-1-6	11/5/2008	0.0	0.1	20.6	79.3
V-2-1	11/5/2008	50.9	22.1	5.9	21.1
V-2-2	11/5/2008	55.4	28.2	3.3	13.1
V-2-3	11/5/2008	0.1	0.2	20.7	79.0
V-2-10	11/5/2008	1.0	3.5	16.5	79.0
V-2-18	11/5/2008	0.0	0.0	21.0	79.0
V-4-1	11/5/2008	3.5	4.5	16.8	75.2
V-4-2	11/5/2008	4.2	8.8	12.4	74.6
V-4-3	11/5/2008	2.5	6.7	14.0	76.8
V-4-4	11/5/2008	0.0	0.0	21.1	78.9
V-4-5	11/5/2008	0.0	0.0	21.1	78.9
V-4-6	11/5/2008	0.0	0.0	20.8	79.2
GW-1	2/5/2009	56.5	39.5	4.0	0.0
GW-2	2/5/2009	0.1	0.2	19.4	80.3
GW-3	2/5/2009	0.1	0.2	19.7	80.0

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-4	2/5/2009	0.0	0.2	19.0	80.8
GW-5	2/5/2009	0.1	4.0	11.3	84.6
GW-6	2/5/2009	0.1	0.6	18.4	80.9
GW-7	2/5/2009	0.1	0.3	19.5	80.1
GW-8	2/5/2009	0.1	4.2	16.2	79.5
GW-9	2/5/2009	0.1	1.5	18.4	80.0
GW-10	2/5/2009	0.1	0.2	19.7	80.0
GW-11	2/5/2009	0.1	0.3	18.4	81.2
GW-12	2/5/2009	0.1	0.6	17.6	81.7
V-1-1	2/5/2009	36.2	27.0	11.2	25.6
V-1-2	2/5/2009	1.2	1.9	19.0	77.9
V-1-3	2/5/2009	0.1	0.2	19.6	80.1
V-1-4	2/5/2009	0.1	0.2	19.7	80.0
V-1-5	2/5/2009	0.1	0.2	19.6	80.1
V-1-6	2/5/2009	0.1	0.3	19.6	80.0
V-2-1	2/5/2009	13.7	8.5	12.4	65.4
V-2-2	2/5/2009	16.4	9.1	13.0	61.5
V-2-3	2/5/2009	0.1	0.2	19.4	80.3
V-2-10	2/5/2009	0.1	0.2	19.2	80.5
V-2-18	2/5/2009	0.1	0.3	18.4	81.2
V-3-1	2/5/2009	1.9	0.8	16.5	80.8
V-4-1	2/5/2009	3.3	3.1	17.0	76.6
V-4-2	2/5/2009	0.9	1.1	17.9	80.1
V-4-3	2/5/2009	0.8	1.1	17.8	80.3
V-4-4	2/5/2009	0.1	0.2	18.0	81.7
V-4-5	2/5/2009	0.1	0.4	16.8	82.7
V-4-6	2/5/2009	0.1	1.2	17.4	81.3
GW-1	5/21/2009	52.6	46.1	0.4	0.9
GW-2	5/21/2009	48.8	36.5	0.4	14.3
GW-3	5/21/2009	13.5	6.3	10.6	69.6
GW-4	5/21/2009	52.1	46.5	0.5	0.9
GW-5	5/21/2009	0.0	7.5	6.8	85.7
GW-6	5/21/2009	0.0	3.9	11.1	85.0
GW-7	5/21/2009	0.0	1.8	16.7	81.5
GW-8	5/21/2009	0.0	6.1	12.0	81.9
GW-9	5/21/2009	0.0	2.6	16.6	80.8
GW-10	5/21/2009	0.0	7.7	6.9	85.4
GW-11	5/21/2009	0.0	14.0	6.3	79.7
GW-12	5/21/2009	0.0	2.6	15.4	82.0
BH-201	5/21/2009	0.1	0.7	18.5	80.7
BH-301	5/21/2009	0.0	0.2	19.2	80.6
V-1-1	5/21/2009	52.4	42.8	1.4	3.4
V-1-2	5/21/2009	0.0	0.0	19.4	80.6
V-1-3	5/21/2009	0.0	0.0	19.4	80.6
V-1-4	5/21/2009	0.0	0.0	19.3	80.7
V-1-5	5/21/2009	2.1	5.6	14.5	77.8
V-1-6	5/21/2009	0.0	0.0	19.1	80.9
V-2-1	5/21/2009	28.5	13.1	11.1	47.3
V-2-2	5/21/2009	28.0	13.1	11.8	47.1
V-2-3	5/21/2009	0.0	0.0	19.3	80.7
V-2-10	5/21/2009	0.0	0.0	19.6	80.4
V-2-18	5/21/2009	0.0	0.0	19.5	80.5
V-3-1	5/21/2009	3.2	0.9	18.8	77.1
V-4-1	5/21/2009	1.7	5.9	13.6	78.8
V-4-2	5/21/2009	0.0	0.0	19.4	80.6
V-4-3	5/21/2009	0.0	0.2	19.3	80.5
V-4-4	5/21/2009	0.0	0.0	19.6	80.4
V-4-5	5/21/2009	0.0	0.0	19.5	80.5
V-4-6	5/21/2009	0.0	0.0	19.6	80.4
GW-1	8/19/2009	52.6	46.0	0.4	1.0
GW-2	8/19/2009	56.7	39.9	0.5	2.9
GW-3	8/19/2009	46.5	25.5	3.4	24.6
GW-4	8/19/2009	31.3	37.8	0.1	30.8
GW-5	8/19/2009	0.0	10.7	7.7	81.6
GW-6	8/19/2009	0.0	1.6	16.1	82.3
GW-7	8/19/2009	0.0	4.3	13.1	82.6
GW-8	8/19/2009	0.0	6.1	10.8	83.1
GW-9	8/19/2009	0.0	4.2	13.5	82.3

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-10	8/19/2009	0.0	0.6	17.6	81.8
GW-11	8/19/2009	0.0	5.9	11.8	82.3
GW-12	8/19/2009	0.1	13.4	4.0	82.5
BH-201	8/19/2009	0.0	1.2	17.4	81.4
BH-301	8/19/2009	0.0	1.5	17.8	80.7
V-1-1	8/19/2009	29.3	27.8	8.0	34.9
V-1-2	8/19/2009	10.3	11.9	11.3	66.5
V-1-3	8/19/2009	2.2	6.3	13.1	78.4
V-1-4	8/19/2009	0.0	0.1	19.2	80.7
V-1-5	8/19/2009	0.0	0.0	19.3	80.7
V-1-6	8/19/2009	0.0	0.0	19.3	80.7
V-2-1	8/19/2009	22.5	12.0	12.1	53.4
V-2-2	8/19/2009	39.6	23.5	6.9	30.0
V-2-3	8/19/2009	0.3	2.1	16.3	81.3
V-2-10	8/19/2009	0.5	2.7	15.5	81.3
V-2-18	8/19/2009	0.0	0.0	18.9	81.1
V-3-1	8/19/2009	1.9	1.0	18.3	78.8
V-4-1	8/19/2009	0.3	0.4	18.7	80.6
V-4-2	8/19/2009	0.0	0.0	18.9	81.1
V-4-3	8/19/2009	0.3	0.5	18.6	80.6
V-4-4	8/19/2009	0.2	0.4	17.9	81.5
V-4-5	8/19/2009	0.0	0.6	18.6	80.8
V-4-6	8/19/2009	0.3	11.5	8.5	79.7
GW-1	11/12/2009	56.9	43.0	0.1	0.0
GW-2	11/12/2009	56.6	37.8	0.0	5.6
GW-3	11/12/2009	4.5	5.6	11.7	78.2
GW-4	11/12/2009	60.0	39.8	0.2	0.0
GW-5	11/12/2009	0.0	9.3	5.7	85.0
GW-6	11/12/2009	0.0	1.7	17.0	81.3
GW-7	11/12/2009	0.0	3.6	16.3	80.1
GW-8	11/12/2009	0.0	5.4	13.4	81.2
GW-9	11/12/2009	0.0	1.8	18.5	79.7
GW-10	11/12/2009	0.0	3.2	14.0	82.8
GW-11	11/12/2009	0.0	1.4	18.5	80.1
GW-12	11/12/2009	0.0	4.0	16.6	79.4
BH-201	11/12/2009	1.7	5.0	14.6	78.7
V-1-1	11/12/2009	58.0	41.9	0.1	0.0
V-1-2	11/12/2009	0.9	3.3	17.8	78.0
V-1-3	11/12/2009	0.0	0.0	20.7	79.3
V-1-4	11/12/2009	0.0	0.1	20.5	79.4
V-1-5	11/12/2009	0.0	0.5	19.8	79.7
V-1-6	11/12/2009	0.0	0.1	20.4	79.5
V-2-1	11/12/2009	38.9	20.7	5.1	35.3
V-2-2	11/12/2009	43.6	21.8	7.0	27.6
V-2-3	11/12/2009	0.0	0.1	20.6	79.3
V-2-10	11/12/2009	0.7	0.7	19.7	78.9
V-2-18	11/12/2009	0.0	0.1	20.6	79.3
V-3-1	11/12/2009	1.6	0.7	20.0	77.7
V-4-1	11/12/2009	2.1	1.4	19.7	76.8
V-4-2	11/12/2009	0.0	0.1	20.6	79.3
V-4-3	11/12/2009	0.3	1.4	19.1	79.2
V-4-4	11/12/2009	0.0	0.1	20.6	79.3
V-4-5	11/12/2009	0.0	0.6	20.0	79.4
V-4-6	11/12/2009	0.0	0.1	20.5	79.4
GW-1	2/19/2010	0.7	0.9	20.3	78.1
GW-2	2/19/2010	0.0	0.2	20.6	79.2
GW-3	2/19/2010	44.9	15.9	0.0	39.2
GW-4	2/19/2010	45.5	38.1	0.6	15.8
GW-5	2/19/2010	0.0	0.2	19.4	80.4
GW-6	2/19/2010	0.0	0.0	20.2	79.8
GW-7	2/19/2010	0.0	0.0	20.5	79.5
GW-8	2/19/2010	0.0	0.5	19.0	80.5
GW-9	2/19/2010	0.0	0.8	19.8	79.4
GW-10	2/19/2010	0.0	0.0	20.1	79.9
GW-11	2/19/2010	0.0	0.0	20.4	79.6
GW-12	2/19/2010	0.0	0.0	20.6	79.4
BH-301	2/19/2010	0.0	0.0	20.3	79.7
V-1-1	2/19/2010	22.4	17.4	12.4	47.8

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
V-1-2	2/19/2010	0.3	1.3	18.8	79.6
V-1-3	2/19/2010	0.0	0.0	20.4	79.6
V-1-4	2/19/2010	0.0	0.0	20.5	79.5
V-1-5	2/19/2010	0.0	0.0	20.6	79.4
V-1-6	2/19/2010	0.0	0.0	20.6	79.4
V-2-1	2/19/2010	0.0	0.0	20.9	79.1
V-2-2	2/19/2010	0.0	0.0	19.8	80.2
V-2-3	2/19/2010	0.0	0.0	21.0	79.0
V-2-10	2/19/2010	0.0	0.0	21.0	79.0
V-2-18	2/19/2010	0.0	0.0	21.0	79.0
V-3-1	2/19/2010	0.0	0.0	21.0	79.0
V-4-1	2/19/2010	0.4	0.7	19.8	79.1
V-4-2	2/19/2010	0.0	0.0	20.6	79.4
V-4-3	2/19/2010	0.0	0.0	20.4	79.6
V-4-4	2/19/2010	0.0	0.0	20.6	79.4
V-4-5	2/19/2010	0.0	0.0	20.6	79.4
V-4-6	2/19/2010	0.0	0.0	19.4	80.6
GW-1	5/27/2010	52.4	47.4	0.2	0.0
GW-2	5/27/2010	57.2	42.5	0.3	0.0
GW-3	5/27/2010	47.7	22.1	4.8	25.4
GW-4	5/27/2010	31.8	34.0	0.1	34.1
GW-5	5/27/2010	0.1	1.0	17.3	81.6
GW-6	5/27/2010	0.3	0.6	19.7	79.4
GW-7	5/27/2010	0.1	1.7	15.3	82.9
GW-8	5/27/2010	0.1	4.3	13.2	82.4
GW-9	5/27/2010	0.0	1.8	17.8	80.4
GW-10	5/27/2010	0.0	0.4	20.1	79.5
GW-11	5/27/2010	41.3	24.2	0.0	34.5
GW-12	5/27/2010	0.0	1.4	17.7	80.9
BH-1101	5/27/2010	0.8	1.5	18.7	79.0
BH-1102	5/27/2010	51.2	42.6	4.2	2.0
BH-1103	5/27/2010	50.1	45.3	4.4	0.2
BH-1104	5/27/2010	28.2	19.2	8.2	44.4
BH-1105	5/27/2010	0.4	3.9	12.7	83.0
BH-1106	5/27/2010	42.2	49.5	2.4	5.9
BH-1107	5/27/2010	0.1	1.5	16.9	81.5
BH-1108	5/27/2010	51.7	47.7	0.6	0.0
BH-1109	5/27/2010	46.2	17.2	0.5	36.1
BH-1110	5/27/2010	0.2	0.6	9.9	89.3
BH-1111	5/27/2010	49.3	50.2	0.5	0.0
BH-1112	5/27/2010	2.1	11.6	9.4	76.9
BH-1113	5/27/2010	47.4	46.3	0.3	6.0
BH-1114	5/27/2010	0.0	4.7	15.3	80.0
V-1-1	5/27/2010	53.2	46.7	0.1	0.0
V-1-2	5/27/2010	12.0	13.4	12.9	61.7
V-1-3	5/27/2010	2.8	0.2	20.5	76.5
V-1-4	5/27/2010	0.1	0.1	20.6	79.2
V-1-5	5/27/2010	0.1	0.6	19.9	79.4
V-1-6	5/27/2010	0.1	0.0	20.7	79.2
V-2-1	5/27/2010	45.6	24.2	6.9	23.3
V-2-2	5/27/2010	34.2	17.6	9.5	38.7
V-2-3	5/27/2010	5.8	15.0	4.1	75.1
V-2-10	5/27/2010	3.4	7.7	15.5	73.4
V-2-18	5/27/2010	0.3	1.3	19.9	78.5
V-3-1	5/27/2010	2.8	1.0	19.7	76.5
V-4-1	5/27/2010	15.0	6.4	12.4	66.2
V-4-2	5/27/2010	0.0	0.3	20.2	79.5
V-4-3	5/27/2010	0.3	1.2	19.6	78.9
V-4-4	5/27/2010	0.6	1.9	19.6	77.9
V-4-5	5/27/2010	0.4	0.4	19.9	79.3
V-4-6	5/27/2010	0.6	3.0	15.3	81.1
GW-1	8/26/2010	50.5	49.5	0.0	0.0
GW-2	8/26/2010	26.5	26.5	5.5	41.5
GW-3	8/26/2010	39.3	25.4	2.2	33.1
GW-4	8/26/2010	38.8	46.2	0.0	15.0
GW-5	8/26/2010	0.2	2.4	17.0	80.4
GW-6	8/26/2010	0.2	0.9	19.6	79.3
GW-7	8/26/2010	0.3	0.9	19.7	79.1

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-8	8/26/2010	0.2	8.8	13.9	77.1
GW-9	8/26/2010	0.3	2.2	18.7	78.8
GW-10	8/26/2010	0.2	1.1	18.6	80.1
GW-11	8/26/2010	0.2	20.3	2.5	77.0
GW-12	8/26/2010	0.3	0.3	20.3	79.1
BH-201	8/26/2010	3.4	2.7	18.0	75.9
BH-301	8/26/2010	0.2	0.9	19.0	79.9
V-1-1	8/26/2010	29.9	29.6	6.3	34.2
V-1-2	8/26/2010	0.1	0.2	20.2	79.5
V-1-3	8/26/2010	1.2	4.2	16.6	78.0
V-1-4	8/26/2010	0.2	0.5	20.0	79.3
V-1-5	8/26/2010	0.1	0.2	20.2	79.5
V-1-6	8/26/2010	0.0	0.1	20.2	79.7
V-2-1	8/26/2010	1.8	1.2	19.4	77.6
V-2-2	8/26/2010	18.8	11.3	14.0	55.9
V-2-3	8/26/2010	0.2	0.0	20.5	79.3
V-2-10	8/26/2010	0.2	0.0	20.4	79.4
V-2-18	8/26/2010	0.2	0.2	20.2	79.4
V-3-1	8/26/2010	0.3	0.1	20.4	79.2
V-4-1	8/26/2010	0.7	11.3	19.5	68.5
V-4-2	8/26/2010	0.2	0.4	20.4	79.0
V-4-3	8/26/2010	0.2	1.3	18.2	80.3
V-4-4	8/26/2010	0.2	0.0	20.6	79.2
V-4-5	8/26/2010	0.2	0.1	20.5	79.2
V-4-6	8/26/2010	0.3	0.0	20.5	79.2
GW-1	11/19/2010	48.7	41.1	1.5	8.7
GW-2	11/19/2010	46.2	36.1	0.0	17.7
GW-3	11/19/2010	0.0	8.7	11.2	80.1
GW-4	11/19/2010	34.8	35.6	0.0	29.6
GW-5	11/19/2010	0.0	11.3	6.9	81.8
GW-6	11/19/2010	0.0	3.8	15.5	80.7
GW-7	11/19/2010	0.0	2.4	18.2	79.4
GW-8	11/19/2010	0.0	7.1	14.2	78.7
GW-9	11/19/2010	0.0	1.8	18.9	79.3
GW-10	11/19/2010	0.0	0.3	19.7	80.0
GW-11	11/19/2010	0.0	9.5	9.0	81.5
GW-12	11/19/2010	0.0	0.0	20.0	80.0
BH-201	11/19/2010	0.0	1.5	18.7	79.8
V-1-1	11/19/2010	53.0	42.2	1.3	3.5
V-1-2	11/19/2010	1.0	1.2	17.3	80.5
V-1-3	11/19/2010	0.0	0.0	20.1	79.9
V-1-4	11/19/2010	0.0	0.0	20.1	79.9
V-1-5	11/19/2010	0.0	0.0	20.0	80.0
V-1-6	11/19/2010	0.0	0.0	20.0	80.0
V-2-1	11/19/2010	21.7	16.9	3.8	57.6
V-2-2	11/19/2010	37.5	18.4	9.3	34.8
V-2-3	11/19/2010	0.0	0.0	20.0	80.0
V-2-10	11/19/2010	0.0	0.0	20.0	80.0
V-2-18	11/19/2010	0.0	0.0	20.0	80.0
V-3-1	11/19/2010	2.8	1.0	19.2	77.0
V-4-1	11/19/2010	0.0	0.9	19.2	79.9
V-4-2	11/19/2010	0.0	0.3	19.5	80.2
V-4-3	11/19/2010	0.0	0.5	19.3	80.2
V-4-4	11/19/2010	0.0	0.0	20.0	80.0
V-4-5	11/19/2010	0.0	0.6	19.9	79.5
V-4-6	11/19/2010	0.0	0.0	20.1	79.9
GW-1	2/28/2011	56.5	43.3	0.0	0.2
GW-2	2/28/2011	0.0	0.3	19.3	80.4
GW-3	2/28/2011	6.4	4.2	14.4	75.0
GW-4	2/28/2011	1.5	2.5	17.6	78.4
GW-5	2/28/2011	0.0	0.2	19.3	80.5
GW-6	2/28/2011	0.0	0.0	19.7	80.3
GW-7	2/28/2011	0.0	1.6	17.2	81.2
GW-8	2/28/2011	0.0	0.9	17.8	81.3
GW-9	2/28/2011	0.0	0.0	19.3	80.7
GW-10	2/28/2011	0.0	0.0	19.2	80.8
GW-11 ¹⁰	2/28/2011	11.0	5.0	0.6	83.4
GW-12	2/28/2011	0.0	0.0	19.8	80.2

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
V-1-1	2/28/2011	0.5	0.5	19.8	79.2
V-1-2	2/28/2011	0.1	0.5	20.3	79.1
V-1-3	2/28/2011	0.0	0.0	20.8	79.2
V-1-4	2/28/2011	0.0	0.0	20.8	79.2
V-1-5	2/28/2011	0.0	0.0	20.9	79.1
V-1-6	2/28/2011	0.0	0.0	20.9	79.1
V-2-1	2/28/2011	0.0	0.0	20.3	79.7
V-2-2	2/28/2011	0.0	0.0	20.0	80.0
V-2-3	2/28/2011	0.0	0.0	20.5	79.5
V-2-10	2/28/2011	0.0	0.0	20.6	79.4
V-2-18	2/28/2011	0.0	0.0	20.6	79.4
V-3-1	2/28/2011	0.0	0.0	20.1	79.9
V-4-1	2/28/2011	0.0	0.0	19.6	80.4
V-4-2	2/28/2011	0.0	0.0	19.8	80.2
V-4-3	2/28/2011	0.0	0.3	19.7	80.0
V-4-4	2/28/2011	0.0	0.0	19.8	80.2
V-4-5	2/28/2011	0.0	0.0	19.9	80.1
V-4-6	2/28/2011	0.0	0.0	19.9	80.1
GW-1	5/12/2011	47.6	48.7	0.1	3.6
GW-2	5/12/2011	48.7	35.1	0.0	16.2
GW-3	5/12/2011	0.1	5.2	12.9	81.8
GW-4	5/12/2011	56.8	43.1	0.0	0.1
GW-5	5/12/2011	0.0	8.1	10.0	81.9
GW-6	5/12/2011	0.0	1.4	19.4	79.2
GW-7	5/12/2011	0.0	2.3	18.2	79.5
GW-8	5/12/2011	0.0	2.6	17.0	80.4
GW-9	5/12/2011	0.0	2.2	18.3	79.5
GW-10	5/12/2011	0.0	0.2	20.7	79.1
GW-11	5/12/2011	0.0	8.1	12.6	79.3
GW-12	5/12/2011	0.1	0.0	20.7	79.2
BH-101	5/12/2011	0.0	0.4	20.2	79.4
BH-201	5/12/2011	11.6	7.1	13.8	67.5
BH-202	5/12/2011	0.0	0.1	20.8	79.1
V-1-1	5/12/2011	49.3	50.7	0.0	0.0
V-1-2	5/12/2011	0.0	0.0	20.9	79.1
V-1-3	5/12/2011	0.0	1.7	19.0	79.3
V-1-4	5/12/2011	0.0	0.0	21.0	79.0
V-1-5	5/12/2011	0.0	0.0	21.0	79.0
V-1-6	5/12/2011	0.0	0.0	21.0	79.0
V-2-1	5/12/2011	25.5	13.4	11.2	49.9
V-2-2	5/12/2011	36.4	20.3	8.7	34.6
V-2-3	5/12/2011	1.1	4.3	15.4	79.2
V-2-10	5/12/2011	0.7	1.8	17.2	80.3
V-2-18	5/12/2011	0.4	0.6	19.8	79.2
V-3-1	5/12/2011	0.9	0.3	20.5	78.3
V-4-1	5/12/2011	0.0	0.0	20.5	79.5
V-4-2	5/12/2011	0.2	0.1	20.8	78.9
V-4-3	5/12/2011	1.8	1.4	20.1	76.7
V-4-4	5/12/2011	0.1	0.2	20.5	79.2
V-4-5	5/12/2011	0.1	1.9	18.4	79.6
V-4-6	5/12/2011	0.1	2.5	18.1	79.3
GW-1	8/18/2011	52.9	46.7	0.4	0.0
GW-2	8/18/2011	54.8	44.9	0.1	0.2
GW-3	8/18/2011	28.2	19.3	5.4	47.1
GW-4	8/18/2011	47.9	46.3	1.1	4.7
GW-5	8/18/2011	0.0	17.1	5.0	77.9
GW-6	8/18/2011	0.0	0.5	22.1	77.4
GW-7	8/18/2011	0.0	2.0	22.1	75.9
GW-8	8/18/2011	0.0	1.4	21.3	77.3
GW-9	8/18/2011	0.0	2.4	21.2	76.4
GW-10	8/18/2011	0.0	0.4	22.9	76.7
GW-11	8/18/2011	6.5	24.7	0.3	68.5
GW-12	8/18/2011	0.0	11.8	10.3	77.9
BH-201	8/18/2011	3.0	14.5	6.5	76.0
BH-1101	8/18/2011	0.0	0.5	22.9	76.6
BH-V-4-1-1	8/18/2011	0.0	11.6	11.7	76.7
BH-V-4-1-2	8/18/2011	46.8	41.8	3.2	8.2
BH-V-4-1-3	8/18/2011	22.4	20.8	12.6	44.2

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
BH-V-4-1-4	8/18/2011	28.1	23.7	10.4	37.8
BH-V-4-1-5	8/18/2011	0.0	8.7	21.1	70.2
BH-V-4-1-6	8/18/2011	30.9	36.0	6.4	26.7
BH-V-4-1-7	8/18/2011	1.4	15.3	10.3	73.0
BH-V-4-1-8	8/18/2011	0.0	1.6	21.7	76.7
BH-V-4-1-9	8/18/2011	0.0	7.4	16.2	76.4
V-1-1	8/18/2011	49.6	50.1	0.2	0.1
V-1-2	8/18/2011	0.1	0.2	21.2	78.5
V-1-3	8/18/2011	19.6	6.8	14.6	59.0
V-1-4	8/18/2011	0.4	0.2	21.0	78.4
V-1-5	8/18/2011	0.2	1.1	19.3	79.4
V-1-6	8/18/2011	0.0	0.5	20.2	79.3
V-2-1	8/18/2011	26.3	13.1	14.3	46.3
V-2-2	8/18/2011	--	--	--	--
V-2-10	8/18/2011	0.5	2.6	17.6	79.3
V-2-18	8/18/2011	0.0	0.9	20.0	79.1
V-2-3	8/18/2011	0.0	0.0	21.5	78.5
V-3-1	8/18/2011	1.1	0.5	21.4	77.0
V-4-1	8/18/2011	19.9	27.9	2.6	49.6
V-4-2	8/18/2011	0.0	0.0	22.8	77.2
V-4-3	8/18/2011	0.0	0.2	22.5	77.3
V-4-4	8/18/2011	0.0	0.4	22.1	77.5
V-4-5	8/18/2011	0.0	1.0	19.0	80.0
V-4-6	8/18/2011	0.0	4.9	17.3	77.8
GW-1	11/17/2011	61.0	37.7	0.9	0.4
GW-2	11/17/2011	36.7	33.9	0.1	29.3
GW-3	11/17/2011	1.1	1.6	15.8	81.5
GW-4	11/17/2011	62.8	34.8	2.4	0.0
GW-5	11/17/2011	0.0	13.2	7.1	79.7
GW-6	11/17/2011	0.0	0.1	18.0	81.9
GW-7	11/17/2011	0.0	1.3	17.1	81.6
GW-8	11/17/2011	0.0	11.4	8.8	79.8
GW-9	11/17/2011	0.0	1.2	17.0	81.8
GW-10	11/17/2011	0.0	2.4	14.8	82.8
GW-11	11/17/2011	0.0	15.4	4.5	80.1
GW-12	11/17/2011	0.0	0.0	20.1	79.9
GW-13	11/17/2011	60.1	39.3	0.3	0.3
GW-14	11/17/2011	2.8	3.7	5.6	87.9
GW-15	11/17/2011	0.0	1.3	16.1	82.6
GW-16	11/17/2011	0.0	0.5	17.5	82.0
GW-17	11/17/2011	0.0	1.6	16.5	81.9
BH-201	11/17/2011	0.0	3.1	16.7	80.2
BH-1301	11/17/2011	0.0	0.0	17.9	82.1
V-1-1	11/17/2011	41.4	30.2	7.1	21.3
V-1-2	11/17/2011	1.2	2.6	17.2	79.0
V-1-3	11/17/2011	0.0	0.0	19.1	80.9
V-1-4	11/17/2011	0.0	0.0	19.1	80.9
V-1-5	11/17/2011	0.0	0.0	19.1	80.9
V-1-6	11/17/2011	0.0	0.0	18.4	81.6
V-2-1	11/17/2011	0.0	0.0	18.8	81.2
V-2-2	11/17/2011	11.3	5.5	15.9	67.3
V-2-3	11/17/2011	0.0	0.0	19.0	81.0
V-2-10	11/17/2011	0.0	0.0	19.0	81.0
V-2-18	11/17/2011	0.0	0.0	18.8	81.2
V-3-1	11/17/2011	0.0	0.0	18.9	81.1
V-4-1	11/17/2011	0.5	0.5	19.8	79.2
V-4-2	11/17/2011	1.1	1.5	18.6	78.8
V-4-3	11/17/2011	0.1	1.0	19.1	79.8
V-4-4	11/17/2011	0.0	0.1	19.9	80.0
V-4-5	11/17/2011	0.0	0.0	20.2	79.8
V-4-6	11/17/2011	0.0	0.0	20.2	79.8
GW-1	2/16/2012	59.1	42.9	0.4	0.0
GW-2	2/16/2012	8.5	7.4	16.8	67.3
GW-3	2/16/2012	0.1	0.7	19.8	79.4
GW-4	2/16/2012	63.7	34.0	0.8	1.5
GW-5	2/16/2012	0.0	9.3	7.2	83.5
GW-6	2/16/2012	0.0	0.4	21.2	78.4
GW-7	2/16/2012	0.0	2.1	18.7	79.2

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Georgia-Pacific, LLC
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King Highway Landfill Operable Unit 3
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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-8	2/16/2012	0.0	5.2	15.8	79.0
GW-9	2/16/2012	0.0	1.5	19.2	79.3
GW-10	2/16/2012	0.0	6.7	7.4	85.9
GW-11	2/16/2012	0.0	7.0	12.7	80.3
GW-12	2/16/2012	0.0	0.1	21.5	78.4
GW-13	2/16/2012	54.9	43.7	0.7	0.7
GW-14	2/16/2012	1.3	3.9	14.4	80.4
GW-15	2/16/2012	0.0	3.3	17.0	79.7
GW-16	2/16/2012	0.0	1.4	19.8	78.8
GW-17	2/16/2012	0.0	0.5	20.8	78.7
BH-201	2/16/2012	0.0	0.1	21.3	78.6
BH-1301	2/16/2012	0.0	0.6	21.2	78.2
BH-1302	2/16/2012	13.1	10.7	16.8	59.4
BH-1303	2/16/2012	0.0	0.2	21.4	78.4
V-1-1	2/16/2012	6.4	4.9	19.7	69.0
V-1-2	2/16/2012	1.4	1.9	21.0	75.7
V-1-3	2/16/2012	0.1	0.1	21.0	78.8
V-1-4	2/16/2012	0.0	0.1	21.9	78.0
V-1-5	2/16/2012	0.0	0.1	21.9	78.0
V-1-6	2/16/2012	0.0	0.1	21.9	78.0
V-2-1	2/16/2012	1.5	0.9	20.9	76.7
V-2-2	2/16/2012	15.0	7.5	17.0	60.5
V-2-3	2/16/2012	0.0	0.1	21.6	78.3
V-2-10	2/16/2012	0.0	0.1	21.7	78.2
V-2-18	2/16/2012	0.1	0.1	21.8	78.0
V-3-1	2/16/2012	0.0	0.1	21.5	78.4
V-4-1	2/16/2012	1.2	1.3	20.1	77.4
V-4-2	2/16/2012	0.6	0.8	20.5	78.1
V-4-3	2/16/2012	0.5	0.6	20.7	78.2
V-4-4	2/16/2012	0.0	0.1	21.5	78.4
V-4-5	2/16/2012	0.0	0.2	21.3	78.5
V-4-6	2/16/2012	0.1	0.1	21.2	78.6
GW-1	6/7/2012	47.6	45.9	0.0	6.5
GW-2	6/7/2012	41.5	38.5	0.0	20.0
GW-3	6/7/2012	40.2	20.2	0.0	39.6
GW-4	6/7/2012	33.3	40.6	0.3	25.8
GW-5	6/7/2012	0.3	10.8	10.3	78.6
GW-6	6/7/2012	0.3	4.5	16.9	78.3
GW-7	6/7/2012	0.2	2.6	18.0	79.2
GW-8	6/7/2012	0.3	6.9	15.3	77.5
GW-9	6/7/2012	0.3	3.2	18.5	78.0
GW-10	6/7/2012	0.0	8.6	14.7	76.6
GW-11	6/7/2012	0.2	13.3	9.3	77.2
GW-12	6/7/2012	0.2	4.4	16.5	78.9
GW-13	6/7/2012	48.5	49.6	0.0	1.9
GW-14	6/7/2012	5.1	8.4	4.2	82.3
GW-15	6/7/2012	0.2	5.8	15.1	78.9
GW-16	6/7/2012	0.3	4.3	17.1	78.3
GW-17	6/7/2012	0.0	0.7	20.5	78.8
BH-3-01	6/7/2012	0.6	1.5	19.6	78.3
BH-13-01	6/7/2012	29.2	26.7	4.8	39.3
BH-13-02	6/7/2012	0.3	0.4	20.5	78.8
BH-13-03	6/7/2012	23.8	21.1	9.7	45.4
BH-13-04	6/7/2012	0.2	0.1	20.9	78.8
BH-13-05	6/7/2012	14.1	4.8	15.8	65.3
BH-13-06	6/7/2012	0.5	1.5	20.3	77.7
BH-13-07	6/7/2012	0.3	0.6	20.3	78.8
BH-13-08	6/7/2012	0.3	1.1	20.3	78.3
BH-14-01	6/7/2012	0.0	0.6	19.9	79.5
V-1-1	6/7/2012	29.0	25.1	9.5	36.4
V-1-2	6/7/2012	0.0	0.1	20.4	79.5
V-1-3	6/7/2012	0.2	0.5	20.2	79.1
V-1-4	6/7/2012	0.0	0.4	20.3	79.3
V-1-5	6/7/2012	0.3	3.3	16.7	79.7
V-1-6	6/7/2012	0.0	0.3	20.3	79.4
V-2-1	6/7/2012	5.8	2.6	18.7	72.9
V-2-2	6/7/2012	15.8	7.7	16.7	59.8
V-2-3	6/7/2012	0.0	0.5	20.1	79.4

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
V-2-10	6/7/2012	0.1	0.6	20.0	79.3
V-2-18	6/7/2012	0.0	1.1	19.4	79.5
V-3-1	6/7/2012	0.1	0.0	20.6	79.3
V-4-1	6/7/2012	0.4	0.5	20.5	78.6
V-4-2	6/7/2012	0.3	3.1	18.7	77.9
V-4-3	6/7/2012	0.1	3.2	18.3	78.4
V-4-4	6/7/2012	0.1	0.2	20.7	79.0
V-4-5	6/7/2012	0.2	0.0	20.9	78.9
V-4-6	6/7/2012	0.2	0.1	20.9	78.8
GW-1	8/23/2012	54.2	45.6	0.0	6.5
GW-2	8/23/2012	52.9	45.2	0.1	20.0
GW-3	8/23/2012	25.2	31.5	0.1	39.6
GW-4	8/23/2012	45.9	45.8	0.0	25.8
GW-5	8/23/2012	0.4	13.5	9.6	78.6
GW-6	8/23/2012	0.3	7.7	14.4	78.3
GW-7	8/23/2012	0.3	5.0	16.4	79.2
GW-8	8/23/2012	0.4	14.4	9.5	77.5
GW-9	8/23/2012	0.4	3.8	17.7	78.0
GW-10	8/23/2012	0.3	13.9	4.4	76.6
GW-11	8/23/2012	0.1	5.2	14.2	77.2
GW-12	8/23/2012	0.0	10.1	10.5	78.9
GW-13	8/23/2012	51.8	48.0	0.0	1.9
GW-14	8/23/2012	19.6	13.2	0.9	82.3
GW-15	8/23/2012	0.4	7.4	12.5	78.9
GW-16	9/6/2012	0.1	4.9	17.2	78.3
GW-17	9/6/2012	0.1	3.9	19.7	78.8
BH-2-01	8/23/2012	0.2	1.4	19.8	78.3
BH-13-01	8/23/2012	25.6	21.3	6.4	39.3
BH-13-02	8/23/2012	0.2	0.7	20.0	78.8
BH-13-03	8/23/2012	44.6	33.7	3.0	45.4
BH-13-04	8/23/2012	0.1	0.4	20.2	78.8
BH-13-05	8/23/2012	9.0	6.5	15.1	65.3
BH-13-06	8/23/2012	0.2	0.1	20.3	77.7
BH-13-07	8/23/2012	0.2	0.3	20.2	78.8
BH-13-08	8/23/2012	0.1	0.1	20.4	78.3
BH-14-01	8/23/2012	0.3	1.9	19.4	79.5
V-1-1	8/23/2012	44.4	34.9	9.6	36.4
V-1-2	8/23/2012	1.6	1.1	20.6	79.5
V-1-3	8/23/2012	0.2	0.0	21.4	79.1
V-1-4	8/23/2012	15.1	13.6	12.0	79.3
V-1-5	8/23/2012	0.4	0.1	21.1	79.7
V-1-6	8/23/2012	4.2	7.5	16.0	79.4
V-2-1	8/23/2012	19.8	11.1	14.5	72.9
V-2-2	8/23/2012	8.5	4.3	19.1	59.8
V-2-3	8/23/2012	0.2	0.0	21.4	79.4
V-2-10	8/23/2012	0.5	0.3	21.1	79.3
V-2-18	8/23/2012	0.4	0.0	21.2	79.5
V-3-1	9/6/2012	0.5	0.1	20.9	79.3
V-4-1	8/23/2012	0.2	0.2	20.3	78.6
V-4-2	8/23/2012	0.2	0.2	20.2	77.9
V-4-3	8/23/2012	0.1	0.1	20.4	78.4
V-4-4	8/23/2012	0.0	0.5	19.9	79.0
V-4-5	8/23/2012	0.0	0.2	20.4	78.9
V-4-6	8/23/2012	0.0	0.5	20.4	78.8
GW-1	11/8/2012	57.3	42.5	0.0	0.2
GW-2	11/8/2012	49.6	39.0	0.0	11.4
GW-3	11/8/2012	22.0	18.5	0.8	58.7
GW-4	11/8/2012	60.4	38.9	0.0	0.7
GW-5	11/8/2012	0.0	11.4	8.4	80.2
GW-6	11/8/2012	0.0	4.7	16.0	79.3
GW-7	11/8/2012	0.0	2.7	17.8	79.5
GW-8	11/8/2012	0.0	11.2	9.3	79.5
GW-9	11/8/2012	0.0	3.0	17.1	79.9
GW-10	11/8/2012	0.0	10.9	8.1	81.0
GW-11	11/8/2012	0.0	10.1	9.8	80.1
GW-12	11/8/2012	0.0	4.2	15.8	80.0
GW-13	11/8/2012	58.0	40.7	0.7	0.6
GW-14	11/8/2012	15.7	7.8	1.2	75.3

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-15	11/8/2012	0.0	7.3	11.4	81.3
GW-16	11/8/2012	0.0	5.2	16.0	78.8
GW-17	11/8/2012	0.0	5.3	15.9	78.8
BH-2-01	11/8/2012	0.0	3.0	15.9	81.1
BH-13-01	11/8/2012	60.0	38.6	1.4	0.0
BH-13-02	11/8/2012	0.0	1.2	12.9	85.9
BH-13-03	11/8/2012	20.8	19.0	6.0	54.2
BH-13-04	11/8/2012	0.0	3.6	16.2	80.2
BH-13-05	11/8/2012	0.0	0.7	19.5	79.8
BH-14-01	11/8/2012	0.0	0.5	19.3	80.2
V-1-1	11/8/2012	38.8	33.5	5.3	22.4
V-1-2	11/8/2012	0.7	2.7	18.2	78.4
V-1-3	11/8/2012	0.0	0.1	20.6	79.3
V-1-4	11/8/2012	0.0	0.1	20.7	79.2
V-1-5	11/8/2012	0.0	0.1	20.6	79.3
V-1-6	11/8/2012	0.0	0.3	20.5	79.2
V-2-1	11/8/2012	0.0	0.1	20.2	79.7
V-2-2	11/8/2012	4.7	2.4	18.0	74.9
V-2-3	11/8/2012	0.0	0.1	20.6	79.3
V-2-10	11/8/2012	0.0	0.1	20.6	79.3
V-2-18	11/8/2012	0.0	0.1	20.6	79.3
V-3-1	11/8/2012	0.0	0.1	20.2	79.7
V-4-1	11/8/2012	0.4	0.5	20.1	79.0
V-4-2	11/8/2012	0.0	0.1	20.3	79.6
V-4-3	11/8/2012	0.0	0.8	19.6	79.6
V-4-4	11/8/2012	0.0	0.1	20.2	79.7
V-4-5	11/8/2012	0.0	0.5	19.8	79.7
V-4-6	11/8/2012	0.0	0.1	19.8	80.1
Storage Shed	11/8/2012	0.0	0.0	20.7	79.3
GW-1	2/21/2013	53.5	41.7	0.1	4.7
GW-2	2/21/2013	26.1	21.7	0.0	52.2
GW-3	2/21/2013	19.0	7.5	1.5	72.0
GW-4	2/21/2013	60.0	37.0	0.0	3.0
GW-5	2/21/2013	0.1	7.4	10.7	81.8
GW-6	2/21/2013	0.1	2.7	18.7	78.5
GW-7	2/21/2013	0.1	1.7	20.7	77.5
GW-8	2/21/2013	0.1	5.7	13.4	80.8
GW-9	2/21/2013	0.2	1.5	20.7	77.6
GW-10 ¹¹	2/21/2013	--	--	--	--
GW-11	2/21/2013	0.1	0.5	21.9	77.5
GW-12	2/21/2013	0.2	2.0	20.2	77.6
GW-13	2/21/2013	56.5	42.6	0.8	0.1
GW-14	2/21/2013	14.3	2.9	3.3	79.5
GW-15	2/21/2013	0.1	5.0	15.4	79.5
GW-16	2/21/2013	0.1	3.1	19.4	77.4
GW-17	2/21/2013	0.1	4.4	16.9	78.6
BH-14-01	2/21/2013	0.1	0.1	22.1	77.7
Storage Shed	2/21/2013	0.0	0.1	16.9	83.0
GW-1	5/31/2013	50.0	50.0	0.0	0.0
GW-2	5/31/2013	51.5	41.8	0.0	6.7
GW-3	5/31/2013	20.2	14.3	0.0	65.5
GW-4	5/31/2013	45.9	48.5	0.8	4.8
GW-5	5/31/2013	0.1	1.7	13.0	85.2
GW-6	5/31/2013	0.1	0.8	15.4	83.7
GW-7	5/31/2013	0.1	3.5	17.0	79.4
GW-8	5/31/2013	0.1	9.8	11.0	79.1
GW-9	5/31/2013	0.1	3.9	15.2	80.8
GW-10	5/31/2013	0.1	9.9	6.3	83.7
GW-11	5/31/2013	0.8	19.2	0.0	80.0
GW-12	5/31/2013	0.0	6.1	11.5	82.4
GW-13 ¹²	5/31/2013	48.8	51.5	0.0	(0.3)
GW-14	5/31/2013	10.0	2.2	4.9	82.9
GW-15	5/31/2013	0.0	5.8	14.6	79.6
GW-15A	5/31/2013	3.2	13.6	0.8	82.4
GW-16	5/31/2013	0.0	2.6	15.8	81.6
GW-17	5/31/2013	0.1	1.4	18.0	80.5
GW-18	5/31/2013	21.4	3.7	0.2	74.7

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Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-19	5/31/2013	43.3	43.9	1.1	11.7
GW-20	5/31/2013	0.1	8.1	10.9	80.9
GW-21	5/31/2013	0.2	2.6	12.6	84.6
Storage Shed	5/31/2013	0.2	0.0	21.0	78.8
Manhole #11	5/31/2013	0.1	0.9	19.7	79.3
Manhole #12	5/31/2013	0.0	0.9	19.4	79.7
Manhole #14	5/31/2013	0.1	0.9	19.8	79.2
Manhole #15	5/31/2013	0.3	1.1	19.7	78.9
GW-1	7/26/2013	49.3	47.5	0.0	3.2
GW-2	7/26/2013	47.7	41.7	0.0	10.6
GW-3	7/26/2013	46.1	25.4	0.0	28.5
GW-4	7/26/2013	46.1	47.0	0.0	6.9
GW-5	7/26/2013	0.0	15.6	5.0	79.4
GW-6	7/26/2013	0.0	9.5	11.2	79.3
GW-7	7/26/2013	0.0	5.5	13.6	80.9
GW-8	7/26/2013	0.0	12.7	8.9	78.4
GW-9 ¹³	7/26/2013	--	--	--	100.0
GW-10 ¹¹	7/26/2013	--	--	--	100.0
GW-11	7/26/2013	0.6	27.4	0.0	72.0
GW-12	7/26/2013	0.1	10.4	10.5	79.0
GW-13	7/26/2013	47.1	50.4	0.0	2.5
GW-14	7/26/2013	0.3	3.8	12.1	83.8
GW-15	7/26/2013	0.0	7.9	11.0	81.1
GW-15A	7/26/2013	7.1	17.4	0.0	75.5
GW-16	7/26/2013	0.0	5.3	12.4	82.3
GW-17	7/26/2013	0.0	1.4	19.5	79.1
GW-18	7/26/2013	35.7	25.2	0.0	39.1
GW-19	7/26/2013	45.1	44.2	0.2	10.5
GW-20	7/26/2013	0.0	7.8	12.6	79.6
GW-21	7/26/2013	0.1	2.1	17.7	80.1
Storage Shed	7/26/2013	0.1	0.1	20.4	79.4
GW-1	10/30/2013	39.2	35.2	5.3	20.3
GW-2	10/30/2013	32.6	29.1	5.4	32.9
GW-3	10/30/2013	18.5	18.6	6.0	56.9
GW-4	10/30/2013	41.0	33.5	5.1	20.4
GW-5	10/30/2013	0.0	8.2	12.4	79.4
GW-6	10/30/2013	0.1	4.4	15.8	79.7
GW-7	10/30/2013	0.1	3.5	16.8	79.6
GW-8	10/30/2013	0.1	9.2	13.0	77.7
GW-9	10/30/2013	0.0	2.6	17.9	79.5
GW-10	10/30/2013	0.0	6.5	11.4	82.1
GW-11	10/30/2013	0.1	11.8	7.6	80.5
GW-12	10/30/2013	0.1	2.8	17.8	79.3
GW-13	10/30/2013	38.8	34.1	5.6	21.5
GW-14	10/30/2013	17.1	3.4	8.1	71.4
GW-15	10/30/2013	0.1	6.1	13.6	80.2
GW-15A	10/30/2013	0.5	10.4	6.8	82.3
GW-16	10/30/2013	0.1	4.1	16.9	78.9
GW-17	10/30/2013	0.0	4.0	18.0	78.0
GW-18	10/30/2013	23.3	20.6	4.8	51.3
GW-19	10/30/2013	32.6	30.8	5.1	31.5
GW-20	10/30/2013	0.0	8.0	12.5	79.5
GW-21	10/30/2013	0.0	5.0	16.0	79.0
Storage Shed	10/30/2013	0.0	0.0	20.5	79.5
Manhole #12	10/30/2013	0.2	0.9	19.4	79.5
Manhole #11	10/30/2013	0.2	1.0	19.3	79.5
Manhole #14	10/30/2013	0.2	0.9	19.4	79.5
GW-1	1/23/2014	52	48	0	0.0
GW-2	1/23/2014	10.2	20.4	7.4	62.0
GW-3	1/23/2014	3.5	1.2	19.2	76.1
GW-4	1/23/2014	56	38.6	2.2	3.2
GW-5	1/23/2014	0	2.5	19	78.5
GW-6	1/23/2014	0	2	19.2	78.8
GW-7	1/23/2014	0	1.6	20.4	78.0
GW-8	1/23/2014	0	5.5	16.2	78.3

See Notes on Page 22.

Georgia-Pacific, LLC
 Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
 King Highway Landfill Operable Unit 3
 Landfill Gas Monitoring Program

Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Sample Location	Date	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance Nitrogen (%)
GW-9	1/23/2014	0	1.7	20.6	77.7
GW-10	1/23/2014	0	6.3	8.4	85.3
GW-11	1/23/2014	0.1	5.9	15.3	78.7
GW-12	1/23/2014	0.2	2.3	19.4	78.1
GW-13	1/23/2014	52.6	42.3	3.5	1.6
GW-14	1/23/2014	1.2	0.2	19.8	78.8
GW-15	1/23/2014	0.1	5.7	13.4	80.8
GW-15A	1/23/2014	0.1	6.5	14.8	78.6
GW-16 ¹⁴	1/23/2014	--	--	--	--
GW-17	1/23/2014	0	4.2	18.4	77.4
GW-18	1/23/2014	42.2	12.5	2.6	42.7
GW-19	1/23/2014	19.5	19.9	9.5	51.1
GW-20	1/23/2014	0.2	5.5	15.1	79.2
GW-21	1/23/2014	0.1	1.6	19.2	79.1
Storage Shed	1/23/2014	0.1	0.1	21.2	78.6
Manhole #11	1/23/2014	--	--	--	--
Manhole #12	1/23/2014	--	--	--	--
Manhole #14	1/23/2014	--	--	--	--
GW-1 ¹⁵	4/3/2014	54.9	44.3	1.2	-0.4
GW-2 ¹⁵	4/3/2014	56.4	17.5	0.3	25.8
GW-3 ¹⁵	4/3/2014	26.5	5.1	0.4	68.0
GW-4 ¹⁵	4/3/2014	58.4	37.3	0	4.3
GW-5	4/3/2014	0	9.6	7	83.4
GW-6 ¹⁵	4/3/2014	0	4.1	14.9	81.0
GW-7	4/3/2014	0	2.5	18.4	79.1
GW-8 ¹⁵	4/3/2014	0	5.7	11.6	82.7
GW-9 ¹⁵	4/3/2014	0	2	19.6	78.4
GW-10 ¹⁵	4/3/2014	0	6.9	4.9	88.2
GW-11	4/3/2014	6.4	4.8	3.9	84.9
GW-12	4/3/2014	0	1.3	20	78.7
GW-13	4/3/2014	35.1	39.5	0	25.4
GW-14	4/3/2014	22.8	2.3	4.1	70.8
GW-15	4/3/2014	0	6.4	12.4	81.2
GW-15A	4/3/2014	7.8	7.1	1.8	83.3
GW-16	4/3/2014	0	3.3	18.5	78.2
GW-17	4/3/2014	0	5.9	14.7	79.4
GW-18	4/3/2014	0	1.7	11.6	86.7
GW-19	4/3/2014	49.8	35.8	3.4	11.0
GW-20	4/3/2014	0	5.6	15.1	79.3
GW-21	4/3/2014	0	0.9	19.4	79.7
Storage Shed	4/3/2014	0.1	0.2	20.6	79.1
Manhole #11	4/3/2014	0.2	1.2	19.5	79.1
Manhole #14	4/3/2014	0.2	1.4	20.4	78.0
Manhole #15	4/3/2014	0.1	1	20.2	78.7

See Notes on Page 22.

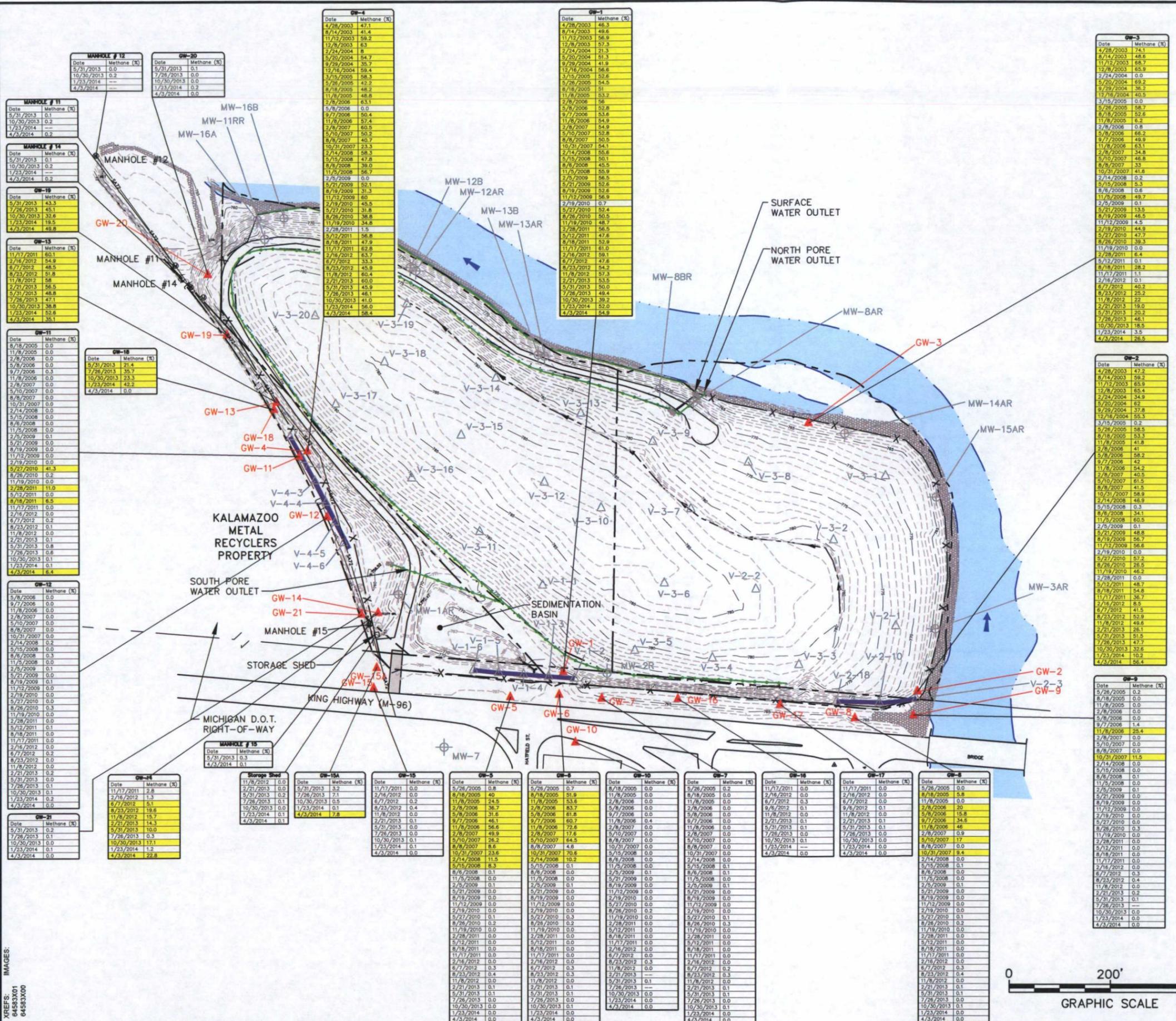
Georgia-Pacific, LLC
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
King Highway Landfill Operable Unit 3
Landfill Gas Monitoring Program

Table 2 - Summary of Post-Closure Landfill Gas Monitoring Results

Notes:

1. Landfill gas monitoring results provided by CTI and Associates, Inc. using a GEM™ 2000 portable gas analyzer from April 28, 2003 to May 20, 2004.
2. Landfill gas monitoring results provided by Golder Associates, Inc. using a GEM™ 500 portable gas analyzer from September 29, 2004 to May 8, 2006, November 8, 2006, May 10, 2007, and August 6, 2008.
3. Landfill gas monitoring results provided by Golder Associates, Inc. using a GEM™ 2000 portable gas analyzer on September 7, 2006, February 8, 2007, August 8, 2007, October 31, 2007, May 15, 2008, November 5, 2008, February 5, 2009, May 21, 2009, August 19, 2009, and November 12, 2009.
4. Landfill gas monitoring results provided by ARCADIS using a GEM™ 500 portable gas analyzer on February 19, 2010, May 27, 2010, August 26, 2010, November 19, 2010, February 28, 2011, May 12, 2011, August 18, 2011, June 7, 2012, August 23, 2012, September 6, 2012, November 8, 2012, and July 26, 2013.
5. Landfill gas monitoring results provided by ARCADIS using a GEM™ 2000 portable gas analyzer on November 17, 2011, February 16, 2012, February 21, 2013, May 31, 2013, October 30, 2013, January 23, 2014 and April 3, 2014.
6. On February 8, 2006, three other borings were attempted at the location of BH-201, but the boreholes were too wet to provide an accurate reading.
7. The water level at the location of the borehole was too high to provide an accurate reading.
8. On February 8, 2007, methane concentrations were detected above the lower explosive limit at GW-3; however, temporary boreholes were not installed to delineate the extent of the methane due to a health and safety risk created by snow covered rocks along the river.
9. On February 8, 2007, the valve on GW-6 was frozen and the cap could not be removed. The concentrations presented for GW-6 were obtained from a temporary borehole, which was installed directly next to well.
10. On February 28, 2011, no additional temporary boreholes were installed west of permanent gas probe GW-11 (to delineate the extent of methane concentrations above the LEL toward the adjacent Kalamazoo Metal Recyclers, Inc. property) due to the amount of debris located beneath the ground surface along the western property line of the KHL OU.
11. Following verbal direction from MDEQ, permanent gas probe GW-10 was not monitored in the first or third quarters of 2013 due to low readings at nearby probes GW-5, GW-6, and GW-7.
12. On May 31, 2013, concentrations for each parameter at GW-13 could not be determined from the same reading due to rapid fluctuations in the gas concentration readings on the portable gas analyzer.
13. On July 26, 2013, landfill gas monitoring was not performed at GW-9 due to the thick poison ivy surrounding the gas probe. The area was cleared to facilitate future monitoring at this location.
14. On January 23, 2014, landfill gas monitoring was not performed at GW-16 as the monitoring well could not be located due to the presence of tall grass and ice.
15. On April 3, 2014, depth to water elevation data were not collected at GW-1 to GW-4 and GW-6 to GW-10 since the PVC cap was frozen and could not be removed from the PVC riser.
16. CH₄ = Methane.
17. CO₂ = Carbon Dioxide.
18. O₂ = Oxygen.
19. GW = Permanent gas monitoring probe.
20. BH = Temporary borehole.
21. V = Permanent gas vent.
22. -- = gas vent was not monitored.

CITY: SYRACUSE, NY; GROUP: ENVICAD; DB: L. FORAKER; PIC: C. CHEATHAM; PK: M. STUK; TM: P. MCGUIRE; LVR: ON*-OFF-REF*; G:\ENVICAD\SYRACUSE\PROJECTS\KINGHIGHWAY\DWG\SUMMARY\46453002.DWG; LAYOUT: 2; SAVER: 46453001; ACADVER: 18.1S (LMS TECH); PAGES: 18; PLOT: PLT; PLOTSTYLE: PLT; PLOT: 46453001; PLOTTED: 4/28/2014 10:40 AM; BY: SAWYER, NANCY



LEGEND:

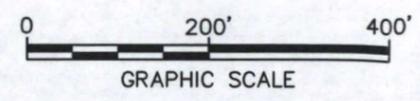
- APPROXIMATE PROPERTY BOUNDARY
- - - DITCH LINE
- SHEETPILE WALL
- RIPRAP
- CULVERT PIPE
- - - FINAL AS-BUILT INDEX CONTOUR
- - - FINAL AS-BUILT INTERMEDIATE CONTOUR
- X SECURITY FENCE
- SA72 72" DIAMETER SANITARY SEWER LINE
- ⊙ SANITARY MANHOLE
- PORE WATER COLLECTION PIPE
- PORE WATER DRAIN
- APPROXIMATE WATER EDGE
- ← FLOW DIRECTION OF RIVER
- MW-14AR ⊕ MONITORING WELL
- GW-2 ▲ GAS MONITORING PROBES
- V-2-2 △ GAS VENTS
- LANDFILL GAS CUTOFF TRENCH

- NOTES:**
- BASE MAP INFORMATION OBTAINED FROM CADD DRAWING FILE DEVELOPED BY RMT, INC., ANN ARBOR, MICHIGAN (CADD FILE: L1630SU01.DWG AS-BUILT SURVEY; 8/21/00).
 - FINAL AS-BUILT CONTOUR ELEVATIONS ARE SHOWN AND ARE BASED ON A FIELD SURVEY BY ATWELL-HICKS, INC., DATED 9/27/00 WITH REVISIONS DATED 10/23/00, 12/21/01, 12/10/02, AND 7/24/03.
 - FINAL AS-BUILT CONTOUR ELEVATIONS OF SEDIMENTATION BASIN ARE BASED ON A FIELD SURVEY BY PREIN-NEWHOF, DATED 2/3/04.
 - ELEVATIONS ARE BASED ON NGVD OF 1929 (MSL)
 - PROPERTY SURVEY PERFORMED BY WILKINS & WHEATON ENGINEERING CO., INC., ON 7/1/96.
 - TOPOGRAPHIC CONTOUR INTERVAL IS 1 FOOT.
 - LOCATIONS SHOWN HEREON REPRESENT PERMANENT MONITORING POINTS, WHICH HAVE BEEN/WILL BE MONITORED DURING THE ONGOING POST-CLOSURE LANDFILL GAS MONITORING PROGRAM.
 - LOCATIONS OF GW-5, GW-6, GW-7, GW-8, GW-9, AND GW-10 ARE BASED ON A FIELD SURVEY BY TERRA CONTRACTING LLC, DATED 9/23/05.
 - LOCATION OF GW-11 IS BASED ON A FIELD SURVEY BY TERRA CONTRACTING LLC, DATED 1/11/06.
 - LOCATIONS OF RG-6, V-4-4, V-4-5, AND V-4-6 ARE BASED ON A FIELD SURVEY BY TERRA CONTRACTING LLC, DATED 6/7/06.
 - LOCATIONS OF V-1-2 THROUGH V-1-6, V-2-3, V-2-10, AND V-2-18 ARE BASED ON MULTIPLE FIELD SURVEYS CONDUCTED BY TERRA CONTRACTING, LLC. IN APRIL 2008.
 - LOCATION OF GW-12 IS APPROXIMATE.
 - LOCATIONS OF GW-13 THROUGH GW-17 ARE BASED ON A FIELD SURVEY CONDUCTED BY PREIN & NEWHOF ON 11/1/2011.
 - LOCATIONS OF GW-15A AND GW-18 THROUGH GW-21 ARE BASED ON A FIELD SURVEY CONDUCTED BY TERRA CONTRACTING LLC, DATED 7/10/2013.
 - HIGHLIGHTED METHANE RESULTS EXCEEDED THE ASSOCIATED LOWER EXPLOSIVE LIMIT (5%).
 - LOCATIONS OF THE SANITARY SEWER LINE AND ASSOCIATED MANHOLES ARE BASED ON A CADD DRAWING AND A HISTORIC DRAWING DATED 11/1/2009 AND 3/1970, RESPECTIVELY.
 - = GAS PROBE WAS NOT MONITORED.

GEORGIA-PACIFIC LLC
 ALLIED PAPER, INC./PORTAGE CREEK/
 KALAMAZOO RIVER SUPERFUND SITE
 KING HIGHWAY LANDFILL OPERABLE UNIT

**SUMMARY OF POST-CLOSURE
 LANDFILL GAS MONITORING RESULTS**

FIGURE
2





Attachment 2

Landfill Inspection Results

INSPECTION FORM

SOP M - Inspection Procedures

Inspection Date: April 3, 2014 Weather Conditions: 30's, rain, light wind.
 Inspectors: Mike Kohagen/ Drew Santini
 Time Arrived: 12:00 (AM **PM**) Time Departed: 14:00 (AM **PM**)

Inspection Items	Condition Satisfactory		Response	Comments/Proposed Action Items	Photo Nos.
	Yes	No			
Cover System					
Settlement	X		Look for visible low spots on the cover surface where significant amounts of standing water can accumulate in puddles during significant precipitation events. Look for the presence of large cracks on the surface of the cover		
Water Ponding	X		Look for visible low spots with significant amounts of standing water in the low spot		
Soil Erosion	X		Look for signs of erosion on the landfill cover (e.g., during windy conditions observe evidence of dust blowing off the cover; rill erosion caused by stormwater runoff)		
Slope Movement/ Failure	X		Look for signs of movement in the soil material of the final cover (i.e., slumping of soil downward, large cracks in the soil)		
Exposed FML	X		Look for areas of black 40-mil linear low-density polyethylene geomembrane liner that may be exposed under the final cover soil material		
Undesirable Growth (Rooty Trees or Shrubs)		X	Look for shrubs, trees or other deep rooted plants that may be established on the final cover system of the landfill	Woody vegetation growing near the cover system limits in two locations. Vegetation to be cut and herbicide applied to cut stems within 90 days.	3,4
Protruding Objects		X	Look for objects protruding from the cover system of the landfill	A 1'x1' piece of concrete was observed on top of the landfill. Material to be removed and backfilled with soil and seeded within 90 days.	5
Burrowing Animals	X		Look for holes in the surface of the landfill indicative of burrowing animals		
Cracks	X		Look for cracks in the final cover soil material where separation of soil material has occurred		
Disturbance or Loss of Vegetation	X		Look for bare spots in the vegetative cover. Note whether no vegetation has grown or whether vegetation has died and has not been re-established. Look for growth of weeds that may crowd out natural vegetation		
Sedimentation Basin and Drainage Outlet					
Erosion	X		Look for rill erosion along the sideslopes and at the outlet from the sedimentation basin		
Siltation	X		Look for buildup of silt/sediment at the bottom of the sedimentation basin		
Debris Buildup	X		Look for debris (i.e., leaves, tree limbs, or other miscellaneous material) that has accumulated in the sedimentation basin		
Condition of Discharge Structures	X		Look for blockages of the outlet structure from the sedimentation basin and at the end of the outlet structure		
Inappropriate Vegetation	X		Look for weeds, shrubs, or trees growing in the sedimentation basin		

INSPECTION FORM

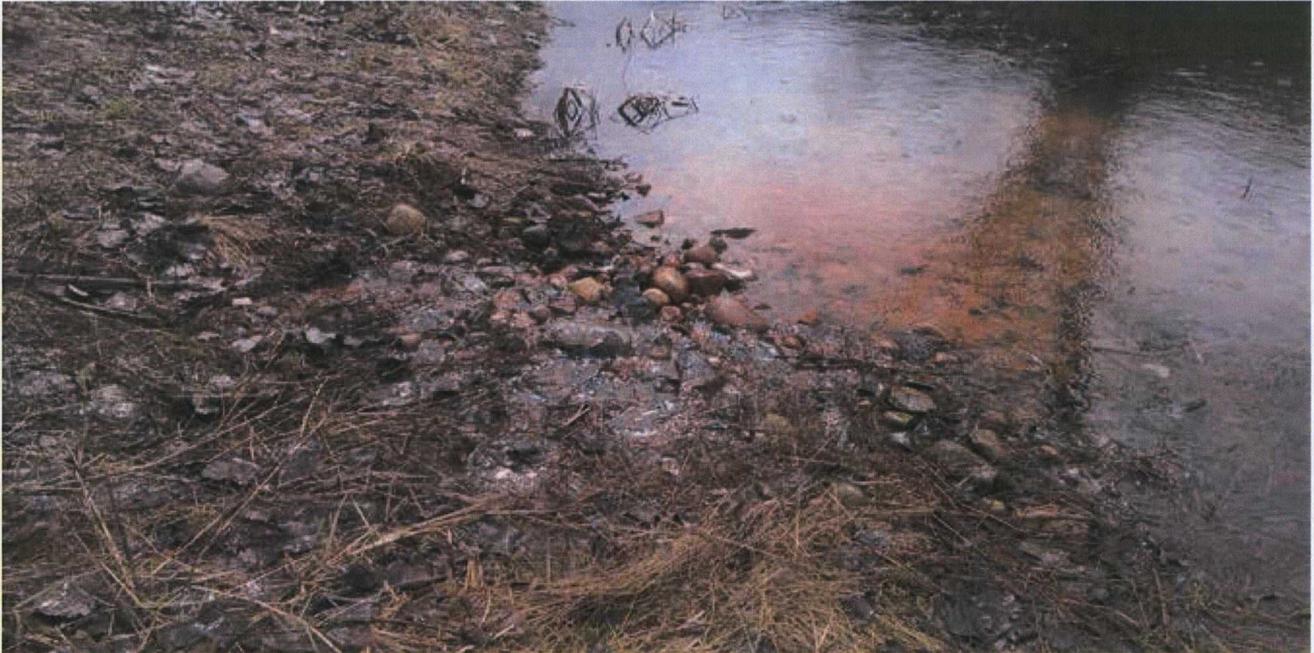
Inspection Items	Condition Satisfactory		Response	Comments/Proposed Action Items	Photo Nos.
	Yes	No			
Ditches and Diversion Berms					
Siltation	X		Look for accumulation of silt/sediment in the bottom of the drainage ditch that runs along the west side of the landfill		
Debris Buildup	X		Look for buildup of debris (i.e., leaves, tree limbs, or other miscellaneous materials) within the bottom of the drainage ditch along the western side of the landfill		
Disturbance or Loss of Vegetation	X		Look for bare spots in the vegetative cover. Note whether no vegetation has grown or whether vegetation has died and has not been reestablished. Look for growth of weeds that may crowd out natural vegetation		
Erosion	X		Look for erosion rills along the sideslopes of the diversion berm that runs along the northern and eastern half of the landfill		
Culverts					
Siltation	X		Look for buildup of silt/sediment within the surface water outlet that runs underneath the access road on the north side of the landfill, adjacent to the north pore water outlet pipe		
Clogging	X		Look for clogging of the inlet and outlet ends of the surface water outlet pipe that runs underneath the access road on the north side of the landfill, adjacent to the north pore water outlet pipe		
Riprap					
Instability or Damage	X		Look the riprap spillway into the settling basin at the southwest corner of the KHL, the riprap at the inlet/outlet of the surface water outlet pipe, and the riprap at the outlet of the north pore water pipe for washout of riprap		
Sheetpile Wall					
Soil Erosion, Subsidence, or Cracking Behind Wall	X		Look for signs of slumping soil, settlement, cavity formation, or cracking in soil behind the sheetpile wall that runs along the north side of the KHL, immediately adjacent to the Kalamazoo River		
Wall Joints	X		Look for separation in the joints of the sheetpile wall and indicate any locations where wall joints have separated		
Overall Wall Stability	X		Look for any visible corrosion, settlement, misalignment/ displacement (i.e., horizontal or vertical deviation from the design alignment), dents, cracks, holes		
Pore Water Collection System					
Clogging of Outlets	X		Look for soil material or other deleterious material that may be clogging the outlets of the north and south pore water outlet pipes		
Evidence of Settlement/ Exposed Materials	X		Look for exposed PVC pore water piping along the south, west, and north sides of the KHL where the pore water collection system is located. Look for settlement along the alignment of the pore water		
Condition of Inlet/Outlets	X		Look the condition of the outlets for cracks in the piping and ponding of water at the pipe ends	The northern pore water outlet appears to be free flowing. The southern outlet was submerged below the surface of the ponded water, however water was observed to be flowing.	1, 2
Landfill Gas Management System					
Condition of Exterior Vent Pipe Components	X		Look the general condition of the individual gas vents. Make sure vents are intact and that the riser pipe is not cracked or damaged		
Condition of Exterior Gas Probe Components	X		Look the general condition of the individual gas probes. Make sure stick-up probes are still intact. Look for cracks on the concrete pad around the probe. Make sure padlocks are in working condition	New locks have been installed.	

INSPECTION FORM

Inspection Items	Condition Satisfactory		Response	Comments/Proposed Action Items	Photo Nos.
	Yes	No			
Evidence of Differential Settlement (See Note 1)	X		Look for heaving around vent pipes/gas probes, leaning vent pipes/gas probes, and underground components of vent pipes/gas probes exposed above ground surface		
Operation of Wind Turbine Ventilators	X		Look the rotational movement of the wind turbine ventilators on all gas vents to ensure the turbines are in proper working order		
Groundwater Monitoring System					
Condition of Surface Seal and Pipe Boot	X		Look for cracks in the concrete pad around the monitoring wells and for exposure of the pipe boot above the surface of the landfill cover system		
Condition of Protective Casing	X		Review the condition of the protective casing for corrosion or damage		
Condition of Cap	X		Look for evidence of tampering with the cap and ensure that the cap is secure. Look the condition of the cap for cracks or other damage		
Condition of Locks	X		Look for evidence of tampering with the lock; and review the condition of the lock for any damage or rust		
Integrity of Exterior Well Components	X		Look the exterior components of the wells for damage or deteriorate that would warrant replacement of the component. Look for well ID visibility and accessibility to appropriate personnel		
Site Access Roads					
Condition of Roadways	X		Look for ponding water, areas of settlement, and serviceability		
Conditions of Access Gates	X		Look gates for proper function. Look for signs of deterioration, damage, rust, or other condition that would affect the proper function of the access gates		
Security Systems					
Condition of Fencing	X		Look for evidence of erosion around posts or underneath mesh that would allow for unauthorized entry. Inspect the integrity of the fencing and look for damage		
Condition of Concrete Permanent Markers	X		Look the condition of the concrete permanent markers with granite slab implanted in the concrete pad. Make sure the concrete and granite have not deteriorated and that the etched words are still visible		
Condition of Signs	X		Inspect signs for deterioration (fading, damage, illegible signs, etc.). Look for presence of signs at proper intervals (200-foot intervals along the fence and at all entry gates)		
Condition of Locks	X		Look locks for damage, deterioration, rust, or other condition that would affect the proper function of the lock	Installed lock on access gate in the NW corner.	

Notes:
 1. Evidence of differential settlement includes heaving around vent pipes and/or gas monitoring probes, leaning vent pipes and/or gas monitoring probes, and underground components of vent pipes and/or gas probes exposed above ground surface.

Additional Remarks: _____



1. Southern pore water outlet (looking southwest) submerged, but flowing



2. Northern pore water outlet (looking west)



3. Woody vegetation growing near the cover system limits on northern boundary



4. Woody vegetation growing near the cover system limits on southern boundary



5. 1'x1' piece of concrete observed on top of the landfill

Figure

